Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.23

LIBRARY
RECEIVED
JAN 25 1946
U.S. Department of Agriculture

Petunia
Dwarf California Giants
VAUGHAN'S BLEND
Trade pkt., $1.25; 1/64 oz., $2.50; 1/32 oz., $4.50; 1/16 oz., $8.00.

Vaughan's BOOK FOR FLORISTS Spring 1946

601 W. JACKSON BLVD., CHICAGO 6—47 BARCLAY ST., NEW YORK 7

Suggestions for Growing Outdoors

DAHLIA UNWIN'S DWARF HYBRIDS XXX STRAIN

A fine "Mother's Day" plant. Flowers in 60 to 90 days from seed. Graceful semi-double flowers in a wide range of colors. If tubers are divided and potted in February (start in a cool house), they make fine plants for Mother's Day. Trade pkt., 25c; ¼ oz., 65c; oz., $2.20; 4 oz., $6.50.

BRILLIANT SUNFLOWER

HELIANTHUS SUN GOLD. A new variety with double flowers in a brilliant shade of golden yellow. Very free flowering. May sowing will bloom in early August. Flowers are fully double, with finely cut petals, entirely lacking the usual coarseness of sunflowers. Fine for cutting. Complete cultural instructions will be furnished with order. 4 ft. Trade pkt., 15c; oz., $1.00; ¼ lb., $3.00.

PETUNIA ALL DOUBLE AMERICA

(DOUBLE ROSY MORN)

Is the all double type, of medium size, 100 percent carnation-flowered, and rose-pink in color, exact duplicate of the old double Rosy Morn. America Petunia is a hybrida nana, an abundant bloomer from early summer to frosts; for bedding and cutting. Uniform and true. ½ trade pkt., $1.20; trade pkt., $2.00; ¼ oz., $7.50.

ZINNIA CHRYSANTHEMUM FLOWERED SPECIAL MIXED

Strikingly different, with the petals attractively curled and quilled. Flowers of tremendous size, measuring up to 6 inches across and from 4 to 5 inches in depth on long stems. In fact this strain has the best stem for cutting of any of the Zinnias. Pastel shades predominate. Some of the flowers are of the solid self color, while others contain combinations of 2 and 3 colors. Trade pkt., 35c; ¼ oz., 60c; oz., $2.00.

VAUGHAN'S SEED STORE

47-49 Barclay Street, NEW YORK 601 West Jackson Blvd., CHICAGO

NAME _____ Date _____ 19____
Write very plainly

Post Office _____ State _____

Street, P. O. Box or Rural Delivery _____

Express or Freight Office {If different from P. O.} _____ Forward Goods by _____
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

Money Order $_____
Draft or Check $_____
Postage Stamps $_____
Cash - - - $_____

Table of PARCEL POST RATES to different zones, on other side.

Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

QUANTITY Do not Abbreviate	NAME OF ARTICLE	SIZE	PRICE Dols.	PRICE Cts.
	CASH DISCOUNTS ON ORDERS FROM THIS CATALOGUE Special Cash Discount is allowed on FLOWER SEEDS as follows: On all orders for flower seeds totaling less than $25.00, 5%, and over $25.00, 8%. On all other items a cash discount of 2% is allowed, except on net cash supplies. Discounts as herein specified may be deducted from remittance if cash is enclosed with order.			
	☞ In making your order, please give the sizes and prices to avoid delay and errors.			
	Carried Forward,	lbs.	$	

(OVER)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE Dols.	PRICE Cts.
	Brought Forward			

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	8c.	1c. (2 lbs)
First and Second Zone within 150 miles of either	9c.	1.1c.
Third Zone within 150 to 300 miles	10c.	2c.
Fourth Zone within 300 to 600 miles	11c.	3.5c.
Fifth Zone within 600 to 1000 miles	12c.	5.3c.
Sixth Zone within 1000 to 1400 miles	13c.	7c.
Seventh Zone within 1400 to 1800 miles	15c.	9c.
Eighth Zone all over 1800 miles	16c.	11c.

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.

Total Weight,		
Amount for Postage		
Grand Total,	$	

Filled by_____ Checked by_____ Packed by_____

Shipped by_____ Style of Package_____

Date_____ Book_____ Weight_____

Flower Seeds in Record Breaking Demand

Vaughan's Packet Seed Assortments have a selection of flower seeds which few seed stores can equal, and flower seeds will be the "hot" item this spring. Home gardeners will tend to concentrate also on the luxury vegetables of super-quality, in which we specialize. This is a business which belongs to the florist, and Vaughan's Seeds a line which he can recommend. They are not on sale by every other outlet in your neighborhood. Make sure of your assortment by ordering early.

OUR RED, WHITE AND BLUE RACK

Red, White and Blue Display

We shall continue to use for 1946 the strikingly beautiful Display Rack designed in our national colors. The top panel will be red, the lower one white, and the sides and bottom will be blue. It makes a brilliant eye-catching combination.

Design and construction of the rack will follow the model which has proved so satisfactory last year.

The illustration shows how it holds each variety where the customer can see it

The dimensions of this rack are: 30 inches wide, 15 inches deep, on the floor. The height is 55 inches, nicely calculated to combine maximum visibility of packets, and convenient self-service, while at the same time it does not obstruct a clear view of the store, which many feel is important.

Your new rack will be light, yet strong, easily moved about. It is made in the modern manner, of heavy matboard, and comes to you brand new. One rack will hold $100 worth of packets.

Our New Packets. All flower seed packets of 1946 will be 3¼ by 4½ inches, same size as vegetable packets, and all racks will be interchangeable, serving for either flower or vegetable seed.

Brilliantly Colored Posters and Streamers. Color sells everything now-a-days and nowhere is it more necessary than in selling the garden. Vaughan's posters are modern, artistic, brilliant. They will dress up your store and give it the atmosphere of spring, helping business in every line.

_____ 19_____

VAUGHAN'S SEED STORE, 601 W. Jackson Blvd., Chicago, Ill.

Please forward in due season an assortment of Vaughan's seeds for 1946.

The undersigned will pay upon request for all seeds at retail prices less 40%. He agrees to sell at such time, and Vaughan's Seed Store agrees to purchase all seeds then in good condition at retail prices less 40%. This purchase will be credited against the amount due from the undersigned.

The undersigned further agrees, when the season is ended, to destroy the display rack furnished by Vaughan's Seed Store.

Your Firm Name_____

Your Address_____

Sign here_____

BUYERS: Give this Check List the "Once Over" When Ordering

ITEMS TO START IN JANUARY

FLOWER SEEDS

Ageratum (Spring plants)
Antirrhinum (for cutting)
Asparagus Sprengeri
Plumosus Nanus
Begonias (Spring plants)
Calendulas (for cutting)
Candytuft (for cutting)
Campanula (Annual, for pot culture)
Carnation (Annual, for plants)
Centaurea Candidissima (Dusty Miller)
Gymnocarpa (Dusty Miller)
Cyanus Cornflower (for cutting)
Chrysanthemum (Annual cutflower)
Cineraria Maritima (Dusty Miller)
Clarkia (for cutting)
Cobaea Scandens (Spring plants)
Coleus
Cuphea (for plants)
Cynoglossum (for cutting)
Dahlias Unwin (fine pot plants)
(plant tubers for Mother's Day)
Daisy Bellis (B)
Dracaena Indivisa (for pot plants)
Gloxinia (for pot culture)
Gypsophila (Annual)
Kalanchoe (for pot plants)
Larkspur (Annual, for cutting)
Leptosyne (for cutting)
Lilium Praecox White Queen (for spring 1947)
Linaria (for combination)
Lobelias (Spring plants)
Lupins (Annual, for cutting)
Marigolds Dwarf (for combination)
Matricaria Golden Ball Pots and bedding
Mimulus (for pot culture)
Nemesia (for combination)
Nierembergia Hippomanica (for pot culture)
Pansies Super Maple Leaf Giants Mixed Largest Super Swiss Giants (color range, size, earliness)
Petunias All Double and Dwarf Giants
Salpiglossis (for cutting)
Salvia (for plants)
Schizanthus (Vaughan's Masterpiece)

FLOWER SEEDS—Continued

Solanum (Xmas Cherry or Pepper)
Stocks Column and Branching
Strawberries (Baron Solemacher)
Sweet Peas (Early Spencer and Intermediate)
Torenia Fournieri (for pot culture)
Verbena
Vinca Rosea (plants)

GREENHOUSE

Azaleas
Ageratum R.C.
Carnation R.C.
Geraniums 2¼" or R. C.
Hydrangea R.C.
Cyclamen Seedlings
Fancy Leaved Caladiums
Lantana 2¼"

BULBS

Amaryllis
Begonias (Tuberous Rooted)
Gladiolus
Gloxinias (Tuberous Rooted)
Tuberoses

SUPPLIES

Aluminum Phosphate
Bamboo Stakes
Bone and Blood
Formaldehyde Dust
Handy, Sowrite Seed Model
Hormodin
Horn Shavings
Hose Couplings
Loma
Nikoteen
Paper Pots
Flower Boxes
Peat Moss
Pot Labels
Rootone
Red Arrow

VEGETABLE SEED

Cabbage
Cauliflower
Celery
Egg Plant
Parsley
Pepper
Radish
Tomatoes

Planted in January	Benching	Blooming	Culture
Antirrhinum	March	April-June	Pinch February 15th.
Begonias (Seed)	Jan.	May-June	
Candytuft & Nemesia	Jan.	May-June	Sow directly in flats, bench.
Centaurea Cyanus	Feb.	April	One pinch.
Chrysanthemums (A)	March 1	May	
Clarkia	Jan.	April-May	Grow 2" or shallow flats. Poor soil.
Gloxinia	Jan.	Aug.-Sept.	Grow under partial shade.
Gypsophila	Jan. & every two weeks	March 15	Sow directly in flat or bench.
Kalanchoe 60°-65°	March	Dec. 1-15	Shade 3 hrs. Aug. 15-Oct. 1. 5-8 P.M
Kalanchoe 60°-65°	March	Christmas	Shade 3 hrs. Sept. 1-Oct. 20. 5-8 P.M.
Leptosyne	March 1	April-May	
Lupinus	Jan.	April	
Petunias	Jan.	April-June	
Salvia	Feb.	July-Aug.	Keep bushy.
Solanum	March	Berried Dec.	Pinch March.
Stocks	March	Memorial Day.	Grow below 50°.
Sweet Peas	Jan.	April-June	See August culture.
Torenia	Feb.	June-July	Pinch March.
Hydrangea (cuttings)	Feb.-April	Easter-June	Do not pinch later than July 1.
Gladiolus	Jan. 15	May	

ITEMS TO START IN FEBRUARY

FLOWER SEEDS

Ageratum
Asparagus Plumosus Nanus
Asparagus Sprengeri
Asters (for forcing)
Calendula
Campanula Annual
Candytuft (Dwarf for combinations)
Carnation Annual (for plants)
Centaurea Cand. (Dusty Miller)
Centaurea Cyanus
Dahlias Unwin (Fine pot plant)
Dracaena Indivisa
Gypsophila Annual
Larkspur
Lilium Praecox White Queen (for spring 1947)
Linaria (for combinations)

FLOWER SEEDS—Continued

Marigold (Dwarf for combinations)
Mignonette (for cutting)
Mimulus (for pots)
Nasturtiums (Double flowering or cutting)
Nemesia (Combination)
Nierembergia Hippomanica
Petunias
Primula Obconica
Salpiglossis (for cutting)
Salvia (for plants)
Stocks (Column and branching)
Sweet Peas (Late varieties)
Thunbergia (Vine)
Torenia (for pot plants)
Verbena (Spring plants)
Vinca Rosea (plants)
Zinnia (for cutting inside)

ITEMS TO START IN FEBRUARY—Continued

GREENHOUSE

Azaleas
Lantana 2¼"
Hydrangea R.C.
Geranium 2¼" or R. C.
Chrysanthemum R.C.
Carnation R.C.
Vinca R.C.
Fancy Leaved Caladiums.
Ageratum R.C.
Verbena R.C.
Cyclamen Seedlings
Cannas
Dahlia

BULBS

Amaryllis
Begonias
Caladiums Esculentum
Gladiolus
Gloxinias

SUPPLIES

Arsenate of Lead
Bone & Blood
Bone Meal
Evergreen

SUPPLIES—Continued

Florafoil
Flower Boxes
Hormodin
Loma
Paper Pots
Picks
Red Arrow
Semesan
Bamboo Stakes
Snarol
Soil Tester
Vigoro

VEGETABLE SEED

Cabbage
Cauliflower
Celery
Egg Plant
Endive
Lettuce
Mushroom Spawn
Onion
Onion Sets
Parsley
Pepper
Radish
Tomato

Planted in February	Benching	Blooming	Culture
Asters	March 10	June-July	Lighted Feb. 10 on Use late var.
Marigolds	April 1	May 15	Grow restricted containers. Dry side.
Primula	April	October	Do not use peat.
Stocks	April	June	Grow below 50°.
Sweet Peas	February	May-June	See August culture.
Hydrangeas take cuttings	Feb.-April	Easter-June	(Latest pinch July 1, Pots)
Gladiolus	Feb.	May-June	
Begonias Tuberous	Feb.	June-Aug.	
Gloxinias Tuberous	Feb.	June-Aug.	

ITEMS TO START IN MARCH

FLOWER SEEDS

Alyssum
Antirrhinum (for plants)
Asparagus Plumosus Nanus
Asparagus Sprengeri
Asters (for forcing)
Calendula
Clarkia (for cutting)
Celosia (Dwarf for combinations)
Centaurea Cyanus (outside)
Dahlias Unwin (Fine pot plant)
Dimorphotheca (for plants)
Gerbera (Transvaal Daisy)
Gomphrena (Combination pots)
Grevillea Robusta (Filler)
Gypsophila (A) For cutting
Ipomoea Clark's Early Heavenly Blue.
Larkspur (outside)
Lupinus (Annual)
Marigolds
Mesembryanthemum (pots)
Nasturtiums
Petunias
Primula Obconica
Primula Sinensis
Salpiglossis
Salvia
Solanum (Xmas Cherry or Pepper)
Statice Sinuata
Sweet Peas (outside)
Venidium (plants)
Verbena
Zinnia (for cutting inside)

SUPPLIES

Bamboo Stakes
Bone Meal
Bull Dog Clips
Crepe Paper
Cyanogas
Flower Boxes
Flower Pot Wrap
Flower Potfoil
Glazing Material
Labels
Loma
Nicofume
Pot Tie
Pot Tie Ribbons
Raffia
Red Arrow
Soil Tester
Stake Fasteners
Twine

GREENHOUSE

Azaleas
Buddleia
Cannas
Dahlias
Chrysanthemum R.C.
Fancy Leaved Caladiums
Geraniums 2¼" or R. C.
Hydrangea R.C.
Tritoma

BULBS

Begonias
Caladiums Esculentum
Cinnamon Vines
Gladiolus
Gladiolus Display Case
Gloxinias
Ismene
Leucocoryne
Madeira Vines
Montbretias
Ranunculus
Tuberoses

VEGETABLE SEED

Beans
Carrots
Onion Sets
Peppers
Radish
Spinach
Turnip

GRASS SEED

Planted in March	Benching	Blooming	Culture
Antirrhinum	May 15	July & later	
Asters	May 15	July	Do not pinch.
Gerbera	Aug.	Dec. and later	Use fresh seed only.
Primula Obconica	May	Dec. 25	Do not use peat.
Primula Sinensis	May	April on in 5" pots.	
Zinnias	April	May 20-June	
Begonias (bulbs)	March	June-Aug.	60°-65°.
Gloxinias (bulbs)	March	June-Aug.	60°-65°.

Copyright by Vaughan's Seed Store 1946.

Give this Check List the "Once Over" When Ordering

ITEMS TO START IN APRIL

FLOWER SEEDS

Asparagus Sprengeri
Plumosus Nanus
Asters (for forcing)
Calendula
Celosia
Centaurea Annual Sorts
Cosmos Sensation varieties very good
Delphinium (P)
Dianthus Annual Pinks
Euphorbia Variegata (for cutting filler)
Freesias (Sow in flats will bloom in Jan.)
Gaillardia (A) (Spring plants)
Grevillea Robusta (Filler)
Gypsophila (A) (outside or cutting)
Ipomoea Heavenly Blue (Clark's early)
Lupinus (A) (Annual)
Marigolds (Spring plants)
Nasturtiums Double varieties best.
Primula Obconica
Primula Sinensis
Saponaria "Pink Gyp" (for cutting)
Scabiosa (for cutting)
Statice Sinuata
Strawflower Helichrysum
Zinnia (for cutting inside)

VEGETABLE SEED

Asparagus Roots
Kohlrabi
Onion Sets

GRASS SEED

ROSES

GREENHOUSE

Azaleas 2¼" and up for growing on
Buddleia
Cannas
Chrysanthemum R.C.
Cyclamen Seedlings
Dahlias
Delphinium
Geraniums 2¼" or R. C.
Hydrangeas
Tritoma

SUPPLIES

Bamboo Stakes
Flower Boxes
Insecticides (resale)
Loma
Peat Moss

BULBS

Anemone
Begonias
Gladiolus
Gloxinias
Ornithogalum
Rannunculus
Tigridias
Tuberoses

Plant in April	Benching	Blooming	Culture
Annual Gypsophila	Flatted May 15	June-July	
Asters (late April)	June 1	July	
Lupinus	April	May 30	
Primula Obconica	June	Jan.-Feb.	Do not use peat.
Zinnias 1st	Early April	May 20-June 1	
Zinnias 15th	Late April	June 1-June 10	
Mums. R.C. & Pomps	June	Oct.-Dec.	
Mums. R.C. & Pomps	June	Dec.-Feb.	Lights started Aug. 10. Use only for ½ hour at midnight.
Garza and late Pomps. R.C.	Early July	Oct.-Dec.	
Late Mums R.C.	Early July	Dec.-Feb.	

ITEMS TO START IN MAY

FLOWER SEEDS

Antirrhinum Ghse. var.
Asparagus Plumosus Nanus
Asparagus Sprengeri
Calendula (outside for cut)
Campanula medium sorts (B)
Delphinium (P)
Digitalis (B)
Forget-me-not (For Jan. flwg. Early Blue Bird)
Freesias (Sow in flats will bloom in Jan.)
Gourds (Start in pots)
Gypsophila (A) (for cutting)
Lupinus Annual (outside)
Primula Malacoides
Primula Obconica
Scabiosa (outside for cutting)
Zinnias (outside for cutting)

BULBS

Gladiolus Tuberoses
Ismene

SUPPLIES

Bamboo Stakes
Bone & Blood
Bone Meal
Cyanogas
Galvanized Wire Stakes
Insecticides (resale)
Loma
Nicofume
Raffia
Red Arrow
Sheep Manure
Volck

GREENHOUSE

Azaleas 2¼" and up for growing on
Begonias 2¼"
Chrysanthemum R.C.
Geranium R.C.
Poinsettia Stock Plants

Plant in May	Benching	Blooming	Culture
Primula Obconica	July	Jan. & later	
Zinnias	Early May	June 10-20	
Poinsettias	Make cuttings in July-Aug.		Pinch not later than Sept. 1 for Dec. 25 blooming, 65°.
Garza & later Pomps. R.C.	Early-Mid. July	Jan.-Feb.	
Late Mums	Early-Mid. July	Dec.-Feb.	

ITEMS TO START IN JUNE

FLOWER SEEDS

*Achillea (P) (Tall cutting varieties)
Alyssum Saxatile (P)
*Anthemis (P) (for cutting)
Antirrhinum (Greenhouse var.)
*Aquilegia
Arabis (P)
Asparagus Plumosus Nanus
Asparagus Sprengeri

FLOWER SEEDS—Continued

*Asters (Perennial varieties)
Aubrietia (P)
Begonias (for Xmas plants)
Calceolaria
Campanula Calycanthema (B)
Candytuft
*Carnation (P)
Cineraria

ITEMS TO START IN JUNE—Continued

FLOWER SEEDS—Continued

*Coreopsis (P) Double Sunburst good
Cyclamen
*Centaurea (P)
*Daisy Shasta (P) Single & Double
*Delphinium (P)
*Dianthus Barbatus (B)
Digitalis (B)
Dracaena Indivisa
Gloxinia (for pots)
*Gaillardia (P) (for cutting)
*Gypsophila (for cutting) (A)
*Helenium (P) (for cutting)
Helianthemum (P)
Heuchera (P)
Lunaria (P)
*Lupinus (P) (Annual and Perennial)
Lychnis (P)
*Matricaria (P)
Primula Chinese (pots)
Primula Malacoides (pots)
Primula Obconica (pots)
*Pyrethrum (P) (for cutting)
*Scabiosa Caucasica
Statice (P) Dumosa variety very good
Sweet Peas (early Flwg.)
Wallflower

FLOWER SEEDS—Continued

*Starred perennial varieties are valuable for cutting besides plant sales.

(A) means Annual; (B) means Biennial; (P) means Perennial.

BULBS

Gladiolus

GREENHOUSE

Bouvardia 2¼"
Chrysanthemum R.C.
Gaillardia
Table Fern Seedlings

SUPPLIES

Bone Meal
Hose & Couplings
Insecticide Refills
Loma
Nicofume
Bordeaux Mixture
Pomo Green
Red Arrow
Sulfate of Aluminum
Super Phosphate
Vigoro

Plant In June	Benching	Blooming	Culture
Antirrhinum	August	Dec.	Pinch to 3 or 4 sets of leaves, no higher to avoid spindliness.
Cinerarias	August	Early Jan. on	Do not pinch.
Lupinus	June	Jan.-Feb.	Small pots outdoors bench in Sept.
Double Snaps cuttings June 15	Aug.	Jan. & later	
Sweet Peas	June	Sept. & Dec.	Run rows N. & S. for winter bloom ing. See Aug. culture.

ITEMS TO START IN JULY

FLOWER SEEDS

Anchusa (P)
*Anthemis (P)
Antirrhinum
Armeria (P)
Asparagus Plumosus
Asparagus Sprengeri
Begonia (for Xmas plants)
Bellis (B)
Calceolaria
Calendula
Campanula (B)
*Centaurea Perennial vars.
Cineraria
Clarkia
Cyclamen
*Daisy Shasta (Single & Double)
*Delphinium (P)
Dianthus Plumarius
Didiscus Coeruleus Improved
Digitalis (B)
Dracaena Indivisa
*Gaillardia (P)
*Geum (P)
Gypsophila
*Helenium (P)
Heuchera (P)
Hollyhocks (P)
*Liatris (P)
*Lupinus (P)
Lychnis (P)
Marigold (Ghse. var.)
*Matricaria (Feverfew)
Mignonette
Myosotis (P)
Nasturtiums Double varieties best
Pansies (outside for spring plants)
Pansies (Greenhouse long stem var).
Platycodon (P)

FLOWER SEEDS—Continued

Poppy (P)
Primula Malacoides
Primula Obconica
Primula Sinensis
*Pyrethrum (P)
Salpiglossis
*Scabiosa (P)
Schizanthus
*Statice (P)
Stocks
Sweet Pea (Early)
*Sweet William (B)
*Tritoma (P)
Veronica (P)
Viola (B) (Spring plants)

*Starred perennial varieties are valuable for cutting and plant sales.

(A) means Annual; (B) means Biennial; (P) means Perennial.

BULBS

Gladiolus
Fall Flowering Crocus

SUPPLIES

Bone Meal
Hose & Coupling
Red Arrow
Sphagnum Moss
Vigoro

GREENHOUSE

Table Fern Seedlings

Planted in July	Benching	Blooming	Culture
Antirrhinum	Aug.	Xmas & later	Pinch about Aug. 30 to 3 or 4 sets of leaves.
Boston Yellow Daisies	Nov. 15	Feb. on	Start cuttings.
Boston Yellow Daisies	Nov. 1	Jan. 15 on	Lighted start cuttings.
Boston Yellow Daisies	Oct. 1	Dec.-March	Lighted start cuttings.
Calceolaria	Sept.	Feb.-March	Lighted.
Calceolaria	Sept.	Easter-Mother's Day.	
Calendulas	Sept.	November	
Cineraria	Sept.	Jan.-Feb.	Do not pinch.
Feverfew (Matricaria)	Sept.	Feb.-April	Lighted.
Mignonette	Sept.	Nov.-Feb.	Do not pinch. Dishud.
Pansy	Oct.	Nov. on.	Germinates below 68° Far.
Primula Obconica	Sept.	April on.	
Primula Sinensis	Sept.	April on 3" pots.	
Stocks	Aug. 15.	Xmas & later	Use early var. Grow below 50° for setting buds.
Stocks	Sept.	Jan.-Feb.	Grow below 50° for setting buds.
Sweet Peas	July	Oct.-Feb.	See August culture.

1946 All-America Flowers

DIANTHUS. Westwood Beauty.

PETUNIA. All Double Colossal Shades of Rose.

Petunia

Colossal Shades of Rose, Winner of All-America Silver Award for 1946. The first Giant All-Double Petunia produced in America. These giant double blooms are up to 5 inches or more across on vigorous compact plants, and are especially valuable for pot plants. This blend of colors come in rich rose shades, from salmon-pink through rosy-pink to deep rosy-mauve. Start seed early, grow cool near the glass and give plenty of room. These will make fine 4 to 5-inch pot plants for Easter, Mothers' day and spring combinations. Trade pkt., 500 seeds, **$3.00.**

Bright Eyes in the new dwarf, compact and upright growing, hybrida nana compacta, Petunia, winning the **Bronze Medal.** It is a compact bedding model of the popular Rosy Morn, about ten inches tall, covered the entire summer with small, plain-petal flowers, one and one-half inches across. The coloring is appealing rosy pink, with white towards the throat, really a bicolor rose and white. Trade pkt., **50c;** 1/16 oz., **90c;** 1/8 oz., **$1.60.**

Peach Red also get **Honorable Mention,** for its unique color of rich salmon cerise, distinct, and the richest salmon petunia Growing fifteen inches or taller, hybrida nana type, it is of strong luxuriant growth which might be described as at first spreading and then shooting erect. Flowers are plain petalled. of medium size, two inches or more across and borne freely through the entire season. It is self-colored, this novelty salmon suffused or overlaid rosy cerise, and brings a new color to petunias. Trade pkt., **35c;** 1/16 oz., **75c;** 1/8 oz., **$1.25.**

Dianthus

Westwood Beauty wins **Honorable Mention.** Officially, it is Dianthus heddensis, selection from heddewigii and chinensis parents. Color ranges from fiery crimson red to a very deep velvety red with occasional segregates of a lighter shade. It is an easily grown annual of good germination, free-flowering on long wire-like stems, two inches in diameter, deeply fringed or laciniated and of strikingly rich color. Westwood Beauty stands the heat. Its height ranges from ten to fifteen inches tall. Trade pkt., **35c;** 1/4 oz., **80c;** oz., **$3.00.**

Easter 1946 is April 21st

PETUNIA. Bright Eyes.

Giant Red Snapdragon

ANTIRRHINUM Large Flowering Rust Resistant Padre. A dark stemmed glistening crimson rich and beautiful, an excellent grower with uniformly compact contrasting foliage; one of the best. Trade pkt., **25c;** 1/4 oz., **75c.**

Largest Garden Carnations

Malmaison J. M. Bridgeford. Of sturdy habit, upright growing plant bearing large flowers. 3 1/2 to 4 inches across, all being of equal size. The chief merit lies in the extensive color range. Some 25 different colors have been counted. Trade pkt., **50c;** 1/8 oz., **$1.10;** 1/4 oz., **$2.00.**

Super Giant Mixed. A strain similar in habit and earliness to Chabaud Giant Improved but with extra large flowers. Very double and strongly clove scented. Trade pkt., **50c;** 1/4 oz., **$1.65;** oz., **$6.00.**

Prof. Malmgreen. A new early flowering Vienna dwarf double type with gay brick red flowers. Fine for cutting. 14 in. Trade pkt., **50c.**

Decorative Pop Corn

Strawberry Corn. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1 1/2 in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks which may be bent back showing the ear. Stalks sold in the market at 10c each. Oz., **30c;** 1/4 lb., **$1.00;** lb., **$3.60.**

Latest Annual Chrysanthemum

Carinatum Rainbow Mixture. A surprising blend of entirely new shades and color combinations in Annual Chrysanthemums. The very free flowering 2 feet high plants are early blooming, coming into flower 2 months from the time of sowing; from June until September they give a truly amazing display. As a cut-flower this lovely Chrysanthemum will prove of outstanding value. See illustration on page 6. Trade pkt., **30c;** 1/4 oz , **60c;** oz., **$2.00.**

CELOSIA Gilbert's Maple Gold

MARIGOLD Mammoth Mum

DELPHINIUM. Blue Mirror

New Colors in Coxcombs

Gilbert's Maple Gold. The blooms are the crested type. The color is an attractive pink-tipped yellow but may vary somewhat. Plant grows about 30-36 in. tall with 8-12 heads normally, more if center is pinched. Penn State College reports of this in their 1944 trials, "Heads large and a beautiful blend of colors." Trade pkt. (300 seeds), **50c.**

Giant Crimson Glory. Brilliant heads of cherry red which appear deeper at a distance. They look almost blood red under artificial light. In bright sunlight the hairs on the plush-like heads make them appear to be overlaid with silver. Practically free of the branching habit. Average heads 8 in. to 10 in. by 5 in. Grow about 14 to 18 in. in height, have shining bright green leaves and a red tinged stalk. Trade pkt., **50c;** ⅛ oz., **$1.00;** ¼ oz., **$1.75.**

Royal Velvet. Produces a large center head and numerous large, long-stemmed cockscombs of richest crimson, on basal branches. The foliage is bronzy green with reddish margins. 2 ft. ¼ oz., **80c;** trade pkt., **25c;** oz., **$3.00.**

Ornamental Cotton

Sown indoors and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white balls make winter bouquets. Trade pkt., 25c; oz., $1.25.

Dianthus Color Carnival

Dianthus Heddewigii Gaiety. The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Penn State College report of this in their 1944 trials "All fringed, color range good, very floriferous. Excellent." Trade pkt., **35c;** ¼ oz., **70c;** oz., **$2.40.**

CELOSIA Royal Velvet

New Red, White, Sweet Williams

Homeland. Large trusses of bloom of a most unusual color, dark rich red with a large sharply defined clear white center. Plants sell on sight when in bloom besides giving splendid cutting material at a time when annuals are not yet in flower. Trade pkt., **50c;** ¼ oz., **$1.00;** oz., **$3.80.**

Special Giant White. Is pure white. The flower clusters are at least ⅓ larger than the ordinary white with a good strong wiry stem from ⅓ to ½ longer than the ordinary. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter, their size depending somewhat on the culture. Trade pkt., **35c;** ¼ oz., **75c;** oz., **$2.40.**

Grow Dahlias Like Annuals

Unwin's Dwarf Hybrids. XXX Strain. The plants are dwarf, semi-double flowers of the most attractive form in fine range of color. Seed sown in March, plants will be in bloom by end of June. Seed sown in January and early February and grown cool will make fine plants for Mothers' Day. These dwarf Dahlias are very popular for border planting and bedding work. Trade pkt., **25c;** ¼ oz., **65c;** oz., **$2.20;** 4 oz., **$6.50.**

Delphinium Good for Cutting

Blue Mirror. This Chinese Larkspur has no spurs and it shows its bright navy blue flowers most effectively by their horizontal position. Height 1½ to 2 feet. May be cultivated as an annual as well as perennial, and is finely suited for cutting purposes, for groups and borders. Trade pkt., **50c;** ¼ oz., **$1.00;** oz., **$3.60.**

Grow This Freesia From Seed

Golden Daffodil. Color clear light yellow with orange blotch. Large flowers on strong stiff stems. Trade pkt., **50c;** ¼ oz., **$1.25;** oz., **$4.00.**

PETUNIA Ruffled Nana Compacta Grandiflora Mixed

New Colors in Gaillardias

Sunshine. Harmonious blending of giant annual Gaillardias, ranging from almost self red with but slight, though sharply contrasting yellow tipping, to less and less red until some flowers are a pure self yellow. Fully double blooms, 2½ to 3 in. across on stiff stems. 2½ ft. tall. Penn State College report of this in their 1944 trials "Red, yellow combination of all of them. Excellent." Trade pkt., **25c**; ¼ oz., **65c**; oz., **$2.20.**

Improved Lythrum for Damp Places

Superbum, The Beacon. Excellent for moist or wet locations in the border. An English introduction of merit, produce 12 or more 3-foot upright spikes of clear rosy red which last a month or more, and are also good for cutting. Trade pkt., **35c**; ¼ oz., **75c**; oz., **$2.60.**

Latest Primula Introductions

Obconica Gigantea Wyaston Wonder. A new type of Primula Obconica, producing flowers of truly immense size; it is by far the largest flowered variety in existence. The general growth of the plant is of exceptional vigor and robustness; the foliage of fine growth and texture. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. Trade pkt., **$1.25**; 1/64 oz., **$2.25**; 1/32 oz., **$4.25**; 1/16 oz., **$8.00.**

Perle Von Niederrhein. Strong growing, large flowered and free blooming scarlet red. Trade pkt., **$1.25.**

Polyanthus Giant Bouquet Mixed. A magnificent development of this old garden favorite, the flowers being of exceptional size, often 2 inches across. They are produced in great numbers and display an immense variety of coloring from white to cream, yellow, scarlet, purple and crimson. Borne on strong stems they are excellent for cutting, as well as making a splendid show in the garden. Trade pkt., **$1.00**; 1/16 oz., **$2.40.**

Our Pick of Newest Marigolds

Flash. All-America Silver Medal 1945. Bright combination of colors which range from vivid red through bronze with a few yellow flowers to give a harmonious contrast to the massed brilliance of the fiery alive plants. In most of the flowers the base color of tangerine is overlaid with rich marigold-red. Individual flowers of this new Single French Marigold grow 1¾ in. and more across; the plants, 18 in. tall. Penn State College report 1944—"Seed sown May 1st—first flower June 20th. Uniform in growth. Red coloring disappears in the heat of summer, but returns in fall." Trade pkt., **35c**; ¼ oz., **60c**; oz., **$1.80.**

Real Gold. All America Bronze Medal, 1945. Large carnation-type flowers up to 4¼ inches across are borne on compact bushes 20 to 25 inches tall, rather late in season. Color is golden orange illuminated with yellow and flowers are abundant. Trade pkt., **35c**; ¼ oz., **85c**; oz., **$3.00.**

MARIGOLDS—Cond't.

Dwarf French Double, Butterball. Most attractive, very compact, Scabious-flowered, canary yellow. Only 6 to 10 inches tall, uniform, very early and continuous flowering. Rich, dense foliage, well covered with small 1¼ inch blooms. Trade pkt., **25c**; ¼ oz., **50c**; oz., **$1.80.**

Mammoth Mum. 30 in. Honorable mention in the All America Selection of 1944. Blooms early. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep and develop into the largest chrysanthemum flowered Marigold. Trade pkt., **35c**; ¼ oz., **80c**; oz., **$2.80.**

Mission Giant. Yellowstone. Bright rich clear yellow counterpart to Goldsmith, with large, 2½ inch flowers, on luxurious, large plants. Late blooming and lasting until frosts. Flowers are of double, incurved, chrysanthemum-like form, and very attractive. Rather late for the most northern, short season, locations. Uniformly 3 to 5 feet tall. Trade pkt., **35c**; ¼ oz., **60c**; oz., **$2.00.**

Sunkist. Silver Medal All-America 1943. It is a dwarf, compact, very early, continuous blooming, double French Harmony type. It comes practically true, 6 to 12 inches tall, and the many attractive flowers are to 1½ in. across. For bedding, edging and pot-culture. Companion variety for the already popular Butterball. Trade pkt., **25c**; ¼ oz., **50c**; oz., **$1.80.**

Dwarf Coronet Improved. Plants average 9 in. in height. Small Scabiosa flowers golden yellow in center and deep mahogany red collar. Plants compact, free blooming and early. The Penn State College states in their report of annuals for the fall of 1943 that "it is very uniform and one of the outstanding samples of the year." Trade pkt., **25c**; ¼ oz., **50c**; oz., **$1.80.**

Best of the New Petunias

All-Double America. Silver Medal All-America 1943 is the all-double type, of medium size, 100 percent carnation-flowered, and rose-pink in color. It supersedes the Double Rosy Morn with same color and growth. America Petunia is a hybrida nana, an abundant bloomer from early summer to frosts; for bedding and cutting. Uniform and true. ½ Trade pkt., **$1.20**; Trade pkt., **$2.00**; 1/128 oz., **$4.00**; 1/64 oz., **$7.50.**

All Double Colosal Shades of Rose. See page 4 under all America selections 1946.

Extra Dwarf Giants of California. This new strain has been bred to fill the need for a truly dwarf pot Petunia. It is by far the best strain for this purpose in existence today. The color range has also been greatly improved and brightened. 1000 seeds, **$1.50.**

Ruffled Nana Compacta Grandiflora Mixed Colors. A new type of Petunia with very attractive medium sized, well fringed and ruffled flowers borne in great profusion on erect growing, very compact plants only 8 to 12 inches tall. The mixture of colors ranges from pure white to dark red in every imaginable gradation and combination. Trade pkt., **50c**; 1/16 oz., **$2.50**; 1/32 oz., **$1.40.**

Large Flowering Single Fringed Blushing Maid. The flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant single Petunias. Trade pkt., **50c**; 1/64 oz., **$1.50.**

Dwarf Bedding Cheerful. Received Bronze Medal in the All America Selection of 1944. The clear salmon pink flowers have a deeper rose veining toward the throat. The growth is low spreading close to the ground, later the plants form a mound 10-12 in. high with a spread of 2 ft. Growth is densely compact and the plants are studded from early summer until frost with flowers 2½ in. across. Trade pkt., **50c**; 1/16 oz., **90c**; ⅛ oz., **$1.60**; ¼ oz., $3.00.

Best of the Iceland Poppies

Nudicaule Kelmscott Strain. The best strain, strong wiry stems, large flowers in great variety of beautiful colors. Trade pkt., **35c**; ⅛ oz., **60c**; ¼ oz., **$1.00.**

Easter in 1946 occurs on April 21, and florists, as well as growers who must properly time crops for that day, should mark the date on their calendars. It will not be that late again until 1957, when it will again come on April 21. The latest possible date for Easter is April 25, and florists may remember that this was the Easter date in 1943. The date of Easter falls invariably on the first Sunday after the first full moon occurring on or after March 21.

Vaughan's The World's Best Flower Seeds

Our Flower Seed Stocks Improve.

Though the over-all scarcity of flower seeds has reached an acute stage, our long experience in this field has enabled us to build up our own stocks, and to add many items from growers of proved reliability which were not available during the war. Nevertheless it is still important to order promptly, before new shortages develop, to be sure of prompt delivery of your requirements.

☛ **If sold out of any variety ordered, we will supply a similar one of equal or superior quality, unless otherwise specified on your order.**
Yes. No.

Customers of Vaughan's Seed Store are protected by an organization which for more than seventy years has specialized in seeds for florists, gathered from the highest skilled breeders and growers throughout the world.

Carl Cropp, vice president of Vaughan's Seed Store since 1884, and his son, Carl, Jr., know these growers and have made frequent trips to their fields, and checked their products in trial grounds. They make sure that we supply you with the best seed obtainable in the world.

☛ **TESTING** Every lot of flower seed sold by us is tested in OUR OWN laboratory, where we prove the germination and make certain that the percentage is up to the high level of our standards.

Flower Seeds for Summer Sowing—We issue a special catalogue in June. Should you fail to receive one, please write for it.

For Seeds of Perennials and Biennials, see Pages 38 to 51.

Trade packets contain considerably more seed than ordinary or retail packets, being based on Florists' needs for commercial purposes.

Florists invariably get trade packets unless otherwise specified.

Quantities of ¼ lb. and over are charged at the pound rate; unless stated otherwise, ⅛ lb. is at the oz. rate; ½ oz. is at the ounce rate only when the price per ounce is 20c or more and ½ oz. rate is not otherwise quoted.

We do not sell ½ oz. where the price per ounce is 15c or less.

Cash Discounts on Flower Seeds: On all orders for flower seeds, totaling less than $25.00, 5%, and over $25.00, 8%, may be deducted if cash is enclosed, except Cyclamen seed, which is net.

	Trade pkt.	Oz.
Abronia Umbellata (Sand Verbena). Rose. 10 in.	$0.10	$0.60
Acroclinium Double Giant Mixture. Excellent fresh cut flower. When used for winter bouquets, cut when buds begin to open. ¼ oz., 30c	.15	1.00
Agapanthus Umbellatus (Blue Lily of the Nile). Does well out of doors in all southern states. ¼ oz., 65c	.35	2.40

Ageratum

Sow seed early to have good sized plants for spring.

Plants from seed will vary some in habit. Mexicanum Blue Ball Improved. 4-5 in., ¼ oz., 90c	.35	3.20
Blue Bedder. 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball. ¼ oz., $1.25	.50	4.00
Blue Cap. 4 in. Dwarf compact habit. True blue flowers. Very uniform. ¼ oz., 90c	.35	3.20
Blue Perfection. True blue. 6 in. ¼ oz., 40c	.20	1.40
Fairy Pink. Dwarf and compact habit, flowers delightful soft salmon-rose.	.50	....
King of the Blues. Dwarf, small foliage clusters deepest blue flowers. ¼ oz., 90c	.35	3.20
Little Blue Star. Tiny bushes, flowers light blue with red center. 4 in. ¼ oz., 65c	.25	2.40

AGERATUM Midget Blue

AGERATUM—Continued	Trade pkt.	Oz.
Midget Blue. A delightful little plant being uniformly dwarf and true to color from seed. The delicate fine foliage is practically smothered with small true Ageratum blue flowers. ⅛ oz., 85c; ¼ oz., $1 60	$0.35	$5.50
Mexicanum Purple Perfection. Extra dwarf and even strain. The best semi-dwarf deep blue ¼ oz., 40c	.20	1.40
Venus, Pink. 6 in.	.35	....
Golden (Lonas Indora). 10 in. Clustered fluffy flowers of a rich yellow. Excellent for edgings. 1/16 oz., 90c	.50	....
Lasseauxi. Clear pink, excellent as cut flowers. 2 ft. ¼ oz., 80c.	.35	....

Aloe Variegata or "Partridge Breast Aloe," the finest and most favored quick growing succulent with beautifully variegated leaves. Seedlings of 9 to 12 months of age, potted up in Tom Thumb pots, are salable in unlimited quantity. 100 seeds, $1.50; 500 seeds, $6.50; 1,000 seeds, $11.00.

Alyssum Maritimum (Sweet Alyssum). 10 in. lb., $2.80	.10	30
Snow Cloth. A special selection, each plant absolutely flat and a compact mass of white without green center. This variety comes into bloom two weeks earlier than other varieties. ¼ oz., 25c; 4 oz., $2.60	.15	.80
Vaughan's Little Gem. This is a special strain of extra dwarf, flat plants—ideal for edging and will give you 100% customer satisfaction. 4 in. ¼ oz., 30c; 4 oz., $3.50	.15	1.00
Violet Queen. A very pretty bright violet tint. It has the usual honey-like odor of the white variety. ¼ oz., 40c	.15	1.20
Compactum Lutescens. Straw yellow. 6 in.	.25	.80

"SNAPS" For Greenhouse Forcing

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties.

Due to greatly increased costs we regret that we cannot make group prices or quantity discounts on Snapdragons.

Varieties followed by (X) are sold in ½ trade pkts. at 60c each.
Varieties preceded by a star (*) are best for early winter flowering.

BRONZE SHADES

Trade pkt.

Afterglow. Golden bronze Spring flowering X $1.00

Bronze Christmas Cheer (Schlegel). A bright copper hood with lower part shading from deep gold to apricot. Well placed 1¾ to 2 inch individual florets. No grassy growth 2.00

Gilbert's Bronze Beauty. This variety is early flowering; seed sown in July blooms in November through Spring. Flowers have upper lips of dark brown with lower lips yellowish bronze 1.50

Glorious (Frank). A highly attractive reddish copper with yellow lip. Popular in Chicago retail trade. Early flowering, none quicker on a comeback after first crop is off. 1.00

Ideal Improved (Hodaly). A blend of carmine rose shading into rich orange, tipped with lemon-yellow. Lips golden yellow, slightly suffused with carmine, white throat. Winter-flowering strain, blooming in four months from seed 1.50

Lady Dorothy. Red-bronze with a glowing quality under artificial light. The color is somewhat similar to Glorious, but it is a true winter-flowering variety. Awarded a Silver Medal by the New York Florists' Club 3.00

Miss Wooster. The color is a dazzling rich dark bronze. It is an ideal shipping variety. 1.00

***Sunlight.** Improved Suntan, finest early golden bronze X 1.00

***Suntan.** Rose shade of tan with tinge of yellow on lip. Early blooming X 1.00

Talisman (Windmiller). Improved strain, all double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination. 2.00

PINK AND ROSE SHADES

America (Hodaly). . Brilliant rose pink with orange lip, blending into pure lemon. The heads are sixteen to twenty-five inches long, carrying well set, large florets 1.50

Ball's Early Pink. Rose pink similar to Radiance 1.00

***Better Times** (Windmiller). A real American Beauty Rose red. It is a first cross like Christmas Cheer but a deeper color. Excellent for Christmas and Valentine's Day. 2.00

Cheviot Maid. Reselected. Deep rose-pink X 1.00

***Cheviot Supreme Appleblossom** (Windmiller). In color it resembles Verbena Mayflower. In late spring the color deepens to salmon-rose. Best in February. Does not shatter 1.00

***Christmas Cheer** (Windmiller). Regret crop exhausted. Suggest Mary Ellen.

Daybreak. Strong, vigorous pink. Same shade as the Rose Briarcliffe. Heavy winter producer X 1.00

Delworth's Supreme. A Canadian introduction by the well known grower Cecil Delworth. It is a selection of Cheviot Maid made or a period of ten years for earliness and uniformity. Single plant selections every year keep the strain consistent 1.50

Trade pkt.

Dorcas Jane (Yoder). Light pink slightly larger flower than Mary Ellen and shade deeper and a little earlier. With a clean habit of growth and outstanding vigor. On display at the Ohio State University Short Course in January 1945, Dorcas Jane received very favorable comment from growers. $1.50

***Gilbert's Pink Queen Supreme.** This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads 1.50

La France (Windmiller). True strain, single plant selection, 100% true to type and color, ruffled satiny pink, excellent spikes and stem 1.50

Marie Louise. Beautiful sea-shell pink. Strong and free-branching, producing long strong stems with compact flower spikes, with flowers closely set 2.00

***Mary Ellen** (Yoder) is a light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets 2.00

***Maryland Pink** (Winkler). Early, light pastel pink. Large flowers. Crop exhausted. Suggest Mary Ellen.

New Cincinnati (Witterstaetter). The finest light rose X .. 1.00

Peggy Schumann Pink. A large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots 2.00

Radiance. Early rose pink 1.00

***Rose-Pink Cheviot Supreme.** Early, hard, wiry stems, small foliage, excellent keeper and shipper, intense color. Best in January 1.00

Rose Queen. Dark pink X 1.00

MARY ELLEN

PINK AND ROSE SHADES—Continued

Trade pkt.

Schaffroth's Pink. A beautiful soft rose pink. Early flowering. Also may be grown as a second crop which will be in fine flower for Mothers' Day. Fine spikes, is a clean grower, wonderful keeper and the flowers rarely drop $1.50

St. Louis Pink (Rowe). Beautiful shade of silvery pink, the well placed flowers being produced on wiry stiff stems. Flower spikes being 10 to 12 inches in length and the flowers do not shatter. Sow early. Spring bloomer 1.50

Terry's Surprise, Improved. Pink and bronze shades, late .. 1.00

Yoder's No. 33. One of the parents of Mary Ellen is uniform light pink, slightly deeper than Mary Ellen but with the same long stems and early flowering habit 1.50

RED

Velvet Beauty. Rich American Beauty Crimson 1.00

Velvet Supreme. A rich velvety scarlet crimson 1.50

LAVENDER

Ball's Lavender. A rich lilac lavender, fine spike and long stemmed 1.50

Bertha Baur. Standard lavender 1.00

Schumann's Lavender. Excellent, large flowered rosy lavender for spring blooming. Full heavy spikes 2.00

***Windmiller's Lilac.** Excellent orchid, true to type and color, early, hard wiry stems, small foliage, productive. Earliest in this color 1.50

"SNAPS "For Greenhouse Forcing—Cont'd

WHITE

Feist's White (West Hills). A true sport of Cheviot Maid. Clear white with a touch of yellow on the lip. Spacing excellent..... Trade pkt. $2.00

Junglewood White (Junglewood Greenhouses). Its perfection is expressed not only in its sheer beauty, but in its dazzling whiteness; deep green foliage; tall, sturdy, whiplike stems; long spikes of closely set florets; absence of side growth; a shatterproof quality, which permits an unusual number of flowers to be open before cutting. .....½ Trade pkt. $1.25 2.00

***Koester's White.** It is earlier and a stronger grower than White Wonder and just as pure white and clean a grower and more substantial spike of slightly ruffled flowers..... 1.50

***Lucky Strike.** Well-known pure white, grows three to four feet with full spike of flowers; does not drop or shatter X... 1.00

***Lucky Strike Improved.** Earlier than the original..... 1.50

Margaret (Yoder) is a winterblooming ivory white, whiter than the old Lucky Strike but not as white as White Wonder. The stem is exceptionally stiff and there is almost no sidegrowth. The florets are of medium size. The florets last a long time and do not shed..... 2.00

Marion White (Schumann). A real white, large close flowering spike on a strong, sturdy stem, throwing small foliage.. 1.50

Peace (Ball). Large closely set florets of the pure white on long, wiry stems. The unusually rich dark green foliage contrasts vividly with the snowy whiteness of its flowers..... 1.50

Schaffroth's White. Pure white. Midwinter blooming from July sowing. Produces 12 to 14 spikes per plant within a cropping period of four to five weeks..... 1.50

Schlegel's White. Early and vigorous grower for early and late planting..... 1.50

Westover's Fringed Early White (Windmiller). An early development of Westover's Fringed White—an ideal wedding bouquet white—good early or late..... 1.50

White Wonder, Improved. Longer and better stems with flowers well placed—keeping the pure white color of original. 1.50

YELLOW

Carol Jean (Dornacher). A shade lighter than Ethel. Has no wild growth whatever. Will not shatter..... 2.00

***Ceylon Court. Dark Selection.** Canary yellow. Our introduction X..... 1.00

Coate's Yellow Perfection. Deep golden yellow. Spring flowering X..... 1.00

***Ethel.** Is a large, bright yellow flower, winter bloomer, well formed head, good stems, easy to grow and shatterproof. 1.50

Goldie (Windmiller). Deep early yellow. Crop exhausted, suggest Ethel.

Klondyke Supreme. Deep intense golden yellow with extra large individual florets..... 1.00

Schlegel's Yellow. Early and vigorous grower for early and late flowering..... 1.50

Sunray. Large well placed yellow flowers on strong stems, a good shipper, has no grassy growth..... 1.50

Yellow Peggy Schumann. Has all the characteristics of Pink Peggy. Earlier and far superior to the old Schumann Yellow..... 2.00

***Yellow Wonder** Early and free flowering. Has a good stiff stem, a fine commercial variety..... 1.50

Greenhouse Varieties Vaughan's Special Mixture. With pinks predominating..... 1.00

Dwarf Sorts

	Trade pkt.	Oz.
Baby Rose. Very free flowering, compact plants covered with flowers of a deep, pink self tint .....⅛ oz., $1.00	$0.35	....
Magic Carpet Mixed. A Snapdragon of almost creeping habit, fairly covered during the summer with flowers. Useful for border or rock garden..... .....⅛ oz., $1.00	.35	....

ANTIRRHINUM Majestic

Large-Flowering Half-Dwarf Sorts

Plants of medium height for bedding.

	Trade pkt.	Oz.
Black Prince. Nearly black, small dark leaves, early.....¼ oz., 80c	$0.25	....
Empress. Rich velvety crimson.....¼ oz., 80c	.25	....
Flame. Improved Defiance.....¼ oz., 80c	.25	....
Gloria. Rich, deep rose-pink.....¼ oz., 80c	.25	....
Golden Monarch. Good yellow.....¼ oz., 80c	.25	....
Golden Queen. Yellow.....¼ oz., 80c	.25	....
Mauve Queen. Rosy lilac.....¼ oz., 80c	.25	....
Prima Donna. Terra-cotta pink, suffused primrose, excellent for florists' use.....¼ oz., 80c	.25	....
Purity. White.....¼ oz., 80c	.25	....
Red Emperor. Rich deep scarlet.....¼ oz., 80c	.25	....
Royal Rose. Rich deep rose.....¼ oz., 80c	.25	....
St. George. A new shade of orange cerise.....	.50	....
Vaughan's Special Mixture, semi-tall sorts..... .....¼ oz., 55c	.25	$2.00

"Majestic" Half Dwarf Sorts

A new type of Snaps, with flowers of the Maximum sorts and height of the "Half Dwarfs." An exceptionally good variety for plant sales and bedding work.

Avalanche. Pure White.
Dawn of Day.
Delight. Apricot.
Eldorado. Yellow.
Evensong. Chamois.
Golden Dawn. Golden buff, overlaid salmon.
Orange King. Rich orange.
Red Chief. Rich deep scarlet.
Rose Beauty. Rose-pink self.
Rose Marie. Light salmon, gold center.
Twilight. Delicate rosy salmon.

	Trade pkt.	Oz.
Each of the above.....¼ oz. $1.00	$0.30	....
Majestic Varieties, mixed.....¼ oz., 75c	25	$2.60
Rose Princess. Giant flower, brilliant cerise rose with center overlaid gold.....	.50	....

ANTIRRHINUM—Continued

Antirrhinum Rust-Resistant Strains

By growing Rust-Resistant seed, there is a better germination, plants are more vigorous, foliage remains clean and the flowers are large and of excellent color. There will be a longer flowering season as well.

LARGE FLOWERING DWARF 1½ ft.

Du Barry. Flaming salmon rose.

Gypsy Girl. Carmine, yellow nose.

		Trade pkt.	Oz.
Each of above	¼ oz., 75c	$0.25	....
Ruby. Velvety carmine crimson		.50	.....

LARGE FLOWERING TALL 2½ ft.
(Majus Grandiflorum)

Brilliant Rose.

Daintiness. Rose-pink, white throat.

Orange Shades.

Padre. A glistening crimson, rich and beautiful, one of the best. An excellent grower with uniformly compact contrasting foliage.

Reveille. Rich yellow.

Rosalie. A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color. The plants are base-branching and produce 6 to 8 huge flowering spikes.

Salmon Pink.

Shasta. Pure white, extra free flowering.

Stoplight. A vivid copper scarlet, both flower and tube being one color.

Yellow Jacket. A clear deep yellow.

		Trade pkt.	Oz.
Each of the above	¼ oz., 75c	$0.25	....
Vaughan's Majus Grandiflorum Mixture. A truly outstanding blend	¼ oz., 70c	.25	$2.40

SUPER MAJESTIC 16 to 20 in.

Orange Shades	¼ oz., $1.00	.35	....
Red Rocket	¼ oz., $1.00	.35	....
Silver Pink	¼ oz., $1.00	.35	....
Vaughan's Super Majestic Mixture. This wonderful mixture contains all of the above varieties plus many other pleasing combinations. An outstanding blend	¼ oz., 80c	.35	....

MAXIMUM OR SUPER GIANTS—2¾ ft.

Individual flowers are large, with heavy flower spikes. Especially recommended for outdoor cutting and flat sales.

Alaska. White.

Campfire. Pure luminous scarlet.

Canary Yellow.

Copper King. Shining copper color.

Crimson. Fiery crimson.

Daffodil. Beautiful two-tone yellow.

Fair Lady. Silver pink, white tube and yellow tip on lip.

Golden Glory. Deepest yellow.

Indian Summer. Coppery rose scarlet.

Loveliness. Pure soft rose-pink.

Pink Sensation. Pure pink, frilled flowers

Red Cross. Glowing velvet crimson.

Salmon Rose Shades.

Swing Time. Rose-pink.

		Trade pkt.	oz.
Each of the above	⅛ oz., 45c; ¼ oz., 80c	$0.25	$2.80
Vaughan's Maximum Mixture. Contains all of the above in finely proportioned blend	⅛ oz., 45c; ¼ oz., 80c	.25	2.80

Vaughan's Special Mixture. All Rust Proof varieties	¼ oz., 85c	.35	3.00

		Trade pkt.	Oz.
Amaranthus Molten Fire. Fiery crimson and maroon	¼ oz., 35c	$0.15	$1.20
Salicifolius (Fountain Plant). Green with bronze, tops blood-red, showy. 30 in.	¼ oz., 35c	.15	1.20
Tricolor Splendens. Very beautiful foliage. 3 ft.	¼ oz., 35c	.15	1.20
Vaughan's Special Mixture	¼ oz., 35c	.15	1.20

ASTER VAUGHAN'S WILT RESISTANT. GIANT BRANCHING AND CREGO TYPES.

Asters

WILT-RESISTANT

Good news for all who have had trouble growing asters, is that D.D.T. Dust, the new insecticide, will kill leaf hoppers, which transmit the yellows disease, for which there has hitherto been no reliable treatment. Occasional spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. Wilt resistant varieties are resistants only to wilt, but in general are more vigorous, and less susceptible to other infections. Whenever a variety can be offered in a wilt resistant strain, we omit its non-resistant counterpart from the list.

As the roots of Asters are produced near the surface, a mulch of some kind spread over them in hot weather is very beneficial and will be repaid by fine plants, large blooms, stronger stems, and more profuse blooming.

CREGO—2 feet

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect. Comes into bloom in August, continuing well into September. A splendid keeper and shipper.

Azure Blue **Crimson** **Lavender** **Violet**
Blue Flame **Deep Rose** **Pink** **White**
Cattleya (Orchid shades) **Purple**

		Trade pkt.	Oz.
Each of the above	¼ oz., 60c	$0.30	$1.85
Crego Mixed, all colors	¼ oz., 50c	.30	1.75

EARLY BEAUTY—2 to 3 feet

Plants of branching habit, commencing to bloom in early September and lasting until destroyed by frost. Flowers large, borne on long and stout stems, from 18 to 24 inches.

Azure Blue **Black Prince (deep marine violet)** **Crimson Carmine Rose** **Purple** **White**
September Beauty (delicate shell pink)

		Trade pkt.	Oz.
Each of the above	¼ oz., 60c	$0.30	$1.85
Mixed, all colors	¼ oz., 50c	.30	1.75

ASTER Wilt Resistant Crego

ASTER VAUGHAN'S WILT RESISTANT—Continued

EARLY GIANT

The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, 4 to 5 inches across. Plants 1½ to 2 ft. tall with branches coming low on the central spike. With practically no laterals or side branches. As early as the Royals and with the large flowers of the Crego type.

		Trade pkt.	Oz.
Light Blue	¼ oz., 80c	$0.35	$2.80
Peachblossom. Opens white, flushes lavender pink	¼ oz., 80c	.35	2.80
Rose Marie. Rich lively shade of rose	¼ oz., 80c	.35	2.80
Mixed, three varieties	¼ oz., 75c	.35	2.50

GIANT BRANCHING

Excellent for cut flowers. The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

Crimson, Deep Rose, Lavender, Pink, Purple, Sensation (deep red), White

		Trade pkt.	Oz.
Each of the above	¼ oz., 60c	$0.30	$1.85
Mixed, all colors	¼ oz., 50c	.30	1.75

QUEEN OF THE MARKET—18 inches

The Standard Early-Flowering Type

Azure Blue, Light Blue, Crimson, Scarlet, Dark Blue, White, Flesh Pink, Rose

		Trade pkt.	Oz.
Each of the above	¼ oz., 60c	$0.30	$1.85
Mixed, all colors	¼ oz., 50c	.30	1.75

THE ROYAL—2 feet. Early-Flowering Branching

This type fills a gap between the Queen of the Market and the Late-Flowering Branching Asters. Sown early inside, and planted out with Queen of the Market, it follows that variety very closely.

Lavender, Peachblossom, Purple, Rose-Pink, Scarlet, Shell Pink, White

		Trade pkt.	Oz.
Each of the above	¼ oz., 60c	$0.30	$1.85
Mixed, all colors	¼ oz., 50c	.30	1.75

ASTERS Wilt Resistant—Continued

OTHER VARIETIES

Ball White. Early. Selection for resistance has not left this quite so large and fine as the original, but a very excellent white-flowering. Sept. 5-10.

Ball White. Late. Typical American branching type and habit. Fine long stem and size. The best American Branching strain in white, following in flowering season Ball White Early. Sept. 10-15.

Ball Phlox Pink. Fairly light rose-pink, an especially attractive commercial color, with perfect American Branching habit and form. Sept. 5-10.

Ball Deep Rose. Extra bright shade of deep rose with attractively incurved petals, medium size, extra long stem and highly resistant. August 20 - Sept. 1.

Ball Deep Purple. Attractive bright deep purple.

Each of the above 5 varieties, trade pkt., 30c; ¼ oz., 60c; oz., $1.85.

		Trade pkt.	Oz.
California Giant, Purple	¼ oz., 85c	$0.35	$2.80
Giant Mammoth Peony Flowered, Silvery Rose. Immense, fully double flowers resembling the Beauty type, borne on long, stout non-lateral stems. 2½ to 3 ft.	¼ oz., 70c	.35	2.40
Heart of France. Glowing ruby-red	¼ oz., 60c	.30	2.00

PRINCESS NEW CRESTED—2 feet

Princess Asters have full crested centers surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers.

Princess Anne. Dclicate pink turning to rose as they mature.

Princess Barbara. Salmon rose.

Princess Bonnie. Beautiful soft salmon rose with a center of rich gold.

Princess Golden Sheaf. Yellow self. By feeding this item heavily and giving partial shade, there will be a fine long stem growth and a good strong yellow color.

		Trade pkt.	Oz.
Princess Marsha. A strong vibrant cinnabar scarlet, gold center. Each of above	¼ oz., 80c	$0.35	$2.80

ASTERS IN MIXTURE

Vaughan's Florists' Mixture. Wilt-Resistant Varieties. Perfectly balanced mixture of best commercial colors	¼ oz., 50c	.30	1.80
Vaughan's Special Mixture of Wilt-Resistant Varieties. This is a mixture of the most beautiful and distinct colors of the tall-growing Asters.	¼ oz., 70c	.30	2.40
Single Rainbow Mixture. Wilt-Resistant. This might be considered as a midseason variety, growing 24 to 30 inches tall. It has a good sized single Aster flower in a range of colors almost exclusively various shades of blue, meaning light blue, dark blue and even violet, rose and crimson. There is no white in the mixture and no flesh pink. Upright growth	¼ oz., 50c	.30	1.75

STANDARD BRED ASTERS

CALIFORNIA GIANTS—2½ to 3 feet

They are of vigorous growth and of the Crego, or Ostrich, type of flower. They are partially non-lateral and the blooming season extends from midseason until cut down by frost.

Appleblossom, Crimson, Dark Purple, Deep Rose, Light Blue, Light Purple, Peachblossom, White

		Trade pkt.	Oz.
Each of the above	¼ oz., 75c	$0.35	$2.75
Mixed, all colors	¼ oz., 70c	.30	2.50

Super Giant Los Angeles. The flowers are large, are most artistic, due to the unusual curling and interlacing of the petals, giving a light feathery effect. The color is a pure shell pink	¼ oz., 85c	.35	3.00
Super Giant El Monte. Companion to above variety and exactly like it except in color, which is a deep glowing crimson. Blooms early and remains in flower over a long period	¼ oz., 85c	.35	3.00

	Trade pkt.	Oz.
Anagallis Grandiflora Coerulea. Dark blue. 10 in.... ....¼ oz., 35c	$0.20	$1.20
Terra Cotta. Red.....¼ oz., 35c	.20	1.20
Anchusa Capensis, Blue Bird. Vivid indigo, 18 in., ...¼ oz., 25c.	.15	.75
Aralia Sieboldi. 100 seeds, 35c; 1,000 seeds, $3.00.		
Arctotis Grandis (The African Lilac Daisy). Pure white on upper surface, reverse petals being lilac. Very useful for cutting. 32 in.....¼ oz., 30c	.15	1.00
Breviscapa Aurantiaca. The daisy-like flowers have petals dark orange which turns lighter toward the center, with a purplish disc. 6 in.....¼ oz., $1.00	.35	....
Large Flowering Hybrids. Flowers resemble those of Gerbera. Numerous beautiful colors. 2½ to 3 in. across in shades of apricot, bronze, brown, pink, red, scarlet and yellow besides pure white. 1 ft.... ....¼ oz., $1.00	.35	3.50

Asparagus

Plumosus Nanus. (Lath House grown.) Carefully harvested, hand-picked, plump, well-matured seed of this is a specialty with us. 100 seeds, 30c; 250 seeds, 55c; 1,000 seeds, $1.80; 5000 seeds, $8.00; lb., $15.00.

Sprengeri. 100 seeds, 30c; 250 seeds, 55c; 1,000 seeds, $1.80; 5000 seeds, $8.00; lb., $15.00.

	Trade pkt.	Oz.
Baileya Multiradiata (Desert Sunray). Grayish-green, woolly stems and foliage, and the flower is 1½ in. across, with a fine ruffle of many bright yellow rays, prettily scalloped, and a yellow center, rather deeper in color. 1 ft.....¼ oz., 85c	$0.35	$2.80

Bachelor's Button. See Centaurea Cyanus.

Novelty Begonias

This type is specially desirable for out-door bedding.

	Trade pkt.
Homeran. All these varieties are strong, vigorous, branching early if pinched back and have some of the characteristics of both parents; a fibrous and a tuberous, taking their root system from the fibrous.	
Homeran Crimson. Flowers dark crimson, a little larger than Christmas Cheer, foliage darker green than Homeran Rose. 15 to 18 in.....	$1.00
Homeran Rose. A glorious new rose colored Begonia with extra large flowers, clear Begonia green foliage. 15 to 18 in. ....1/64 oz., $2.50	1.00
Homeran White. Large oval shaped green leaves. Flowers are pure white with the usual yellow center. 12 to 15 in... ....1/64 oz., $2.50	1.00

Begonias—Fibrous-Rooted

These Begonias make excellent spring flowering plants in small pots or for combination use.

Pink Pearl. This variety is not available this year. We suggest **Adeline** as substitute.

Red Pearl. As this variety is not available this year, we recommend **King of the Reds** instead.

	Trade pkt.
Gracilis Adeline (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage, very attractive. Same color and dwarf habit as Pink Pearl.....1/64 oz., $2.50	$1.00
Carmen. Bright rose flowers, bronze foliage..1/64 oz., $2.50	1.00
Dwarf Luminosa. Bright scarlet, free flowering. Excellent pot plant.....1/64 oz., $3.00	1.00
Fireball. Fiery crimson. 10 in.....	1.00
Bois de Vaux Rose. Vivid rose, floriferous pyramidal growth, green metallic foliage, decorated with narrow red border, compact, upright.....1/64 oz., $2.25; 1/32 oz., $4.00	1.00
Illusion. Is a masterpiece among the Begonias. Flowers attractive rose with a white blotch on every petal. Early flowering. Does well in sun or shade. Foliage is true Begonia green. 10 to 12 in.....	1.00
Indian Maid. 10 in. Bright deep scarlet buds and flowers with deep lustrous bronze foliage.....1/64 oz., $2.50	1.00

BEGONIA SEMPERFLORENS MASTERPIECE

BEGONIA—Con't.	Trade pkt.
Luminosa. Deep dark scarlet flowers, foliage reddish brown. 10 in.....1/64 oz., $2.50	$1.00
Prima Donna. Limpid rose, shading to carmine, most beautiful. 10 to 12 in.....1/64 oz., $2.00; 1/32 oz., $3.50	1.00
White Pearl. White. 10 in.....	1.00
Christmas Cheer Red. A very large-flowered variety, color dark crimson-scarlet.....1/64 oz., $2.00; 1/32 oz., $3.50	1.00
Christmas Pink. Identical to above variety only the color is a delightful shade of warm rose-pink,..... .....1/64 oz., $2.00; 1/32 oz., $3.50	1.00
Semperflorens Elegance. The plant is of bushy habit, medium tall and most free flowering. The individual flowers are large, pink with white center, foliage clear green	1.00
Enchantress. Fresh rose color.....1/64 oz., $2.50	1.00
Fire Sea. (Blaze of Fire). Fiery red flowers, green foliage. 8 in.....1/64 oz., $2.25; 1/32 oz., $4.00	1.00
Ile de France. The best white. The foliage is light green. The flowers are 1¼ in. to 1½ in., pure white, with bright yellow stamens. They grow in compact form not to exceed 12 in. in height and approximately the same width. Fine for Easter and Mother's Day.....1/64 oz., $2.00	1.00
King of the Reds. Very dwarf, glowing scarlet, foliage, green edged bronze. Same color and habit of Red Pearl .....1/64 oz., $2.50; 1/32 oz., $4.50	1.00
Masterpiece. One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite. The flowers fairly cover the foliage..... .....1/64 oz., $2.25; 1/32 oz., $4.00	1.00
Rose Queen. Abundant carmine rose flowers, like Glore de Lorraine, splendid plant for pots.....	1.00
Salmon Queen. Large salmon red flowers; dark leaved .....1/64 oz., $2.00; 1/32 oz., $3.50	1.00
Scandinavia Pink. An outstanding large-flowered pink variety for pots. Plants are of good branching habit with dark green foliage. Excellent for winter flowering .....1/64 oz., $2.75; 1/32 oz., $5.00	1.00
Scandinavia Red. Like the above except in color..... .....1/64 oz., $2.75	1.00
Snow. Pure white blossoms; green foliage..... .....1/64 oz., $2.00; 1/32 oz., $3.50	1.00
Winter Romance. Carmine rose, green foliage..... .....1/64 oz., $2.25; 1/32 oz., $4.00	1.00
Special Mixture for pots and bedding begonias..... .....1/64 oz., $1.50; 1/32 oz., $2.50	1.00

BUSH BALSAM MIXED. Trade pkt., 35c; oz., $2.20.

Balsam

Bush Balsam. Flowers appear in clusters on top of stem instead of on sides. When grown in small pots, these make nice plants in bloom for spring sales.

		Trade pkt.	Oz.
Scarlet. Rose. White. Reflected Rose. Torch. Dwarf red. Each of the above	¼ oz., 60c	$0.35	$2.20
Bush Mixed	¼ oz., 60c	.35	2.20
Brachycome Iberidifolia (Swan River Daisy). 12 in. Mixed		.20	1.40
Browallia Elata. Blue, White or Mixed, each		.20	1.00
Viscosa Compacta Sapphire. Dark blue, white eye, dwarf compact plant for pots and bedding	1/16 oz., $1.00; ⅛ oz., $1.80	.35	....

Cactus Seed

Cacti can easily be grown from seed, and are becoming increasingly popular in the retail trade.

	100 Seeds	1000 Seeds
Cephalocereus Senilis (Old Man Cactus)	$0.75	....
Opuntia (Fig-cacti). Mixed	.50	....
Opuntia. Hardy Mixed ¼ oz., 45c; tr. pkt., 25c; oz., $1.40	....	....
Cacti. All kinds and forms, mixed	.35	$3.00

Calendula

BEDDING VARIETIES

	Trade pkt.	Oz.
Orange Beauty. 2 ft. Blooms are 3½ in. and more across of curved loose petal formation on long stems. The color is bright, deep orange slightly suffused with yellow at the base of the florets, the inner petals gracefully curling in ¼ oz., 60c	$0.40	$2.00
Orange King. Select stock. Dark center. The outer petals are slightly imbricated, while those of the center are curved like those of the peony. ¼ oz., 25c	.15	.85
Pastel Bedding Mixed. Charming assortment of art shades. ¼ oz., 50c	.30	1.60
Radio. The flowers are medium size, good depth and clear orange. The petals are quilled. ¼ oz., 25c	.15	.85
Shaggy Orange. The petals are long and deeply laciniated, orange with darker center. ¼ oz., 25c	.15	.85
Sunshine or Chrysantha. Petals long, broad and drooping. Buttercup yellow. ¼ oz., 25c	.15	.85
Yellow Colossal. The well formed, bushy plants grow 18 in. high. Flowers are extremely double, 4½ in. and more across and of a clear, bright yellow. ¼ oz., 60c	.40	2.00
Vaughan's Special Mixture of bedding varieties. ¼ oz., 30c	.20	1.00

CALENDULA VAUGHAN'S IMPROVED SENSATION

CALENDULA—Continued

FORCING VARIETIES

	Trade pkt.	Oz.
Sensation, Vaughan's Improved (Campfire). Long stems; very double, brilliant orange flowers. The blooms are very flat in shape. 2 oz., $3.50; ¼ oz., 60c	$0.40	$2.00
Ball Apricot. Light straw or buff color with dark center. 2 oz., $3.50; ¼ oz. 60c	.40	2.00
Ball Gold. Has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange Improved. ¼ oz., 60c; 2 oz., $3.50	.40	2.00
Ball Lemon Queen. ¼ oz., 60c; 2 oz., $3.50	.40	2.00
Ball Improved Long Orange. Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange. ¼ oz., 60c; 2 oz., $3.50	.40	2.00
Ball Long Orange. Long-stemmed, light center, clear orange. ¼ oz., 60c; 2 oz., $3.50	.40	2.00
Ball's Orange Improved. Rich orange, light center. Petals slightly notched. ¼ oz., 60c; 2 oz., $3.50	.40	2.00
Ball Masterpiece. Extra long-stemmed, deep orange-brown center. ¼ oz., 60c; 2 oz., $3.50	.40	2.00
Ball White (Moonlight). A beautiful soft cream yellow. ¼ oz., 60c	.40	2.00
Vaughan's Special Mixture for greenhouse forcing. ¼ oz., 50c	.35	1.50

Calceolaria Hybrida

Hybrida Grandiflora Triumph Strain. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage	1.25	....
Hybrida Grandiflora Mixed. Extra Choice. Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties 1/32 oz., $4.40; 1/64 oz., $2.40	1.00	....
Hybrida Multiflora Nana. Mixed. The average size of the blooms is only 1½ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pinch out center to make well shaped bushy stock. 1/128 oz., $2.00; 1/64 oz., $3.80	1.00	....
Grandiflora, "Flower Cloud." The most free blooming Calceolaria, in all colors. Of a very vigorous growth and resistant against weather influences. Small flowers in shades of yellow, orange and bronze.	1.50	....

CANDYTUFT Giant Hyacinth-Flowered White Select

California Poppy. See Escholtzia.

Calandrinia Umbellata Amaranth. Crimson violet. 6 in.

	Trade pkt.	Oz.
	$0.25	

Annual Canterbury Bells

Blooms from seed in less than six months. The plant grows from two to two and a half feet tall, each plant having from six to eight spikes of blooms.

	Trade pkt.	Oz.
Mixed, All Colors.....¼ oz., 25c	$0.15	$0.80

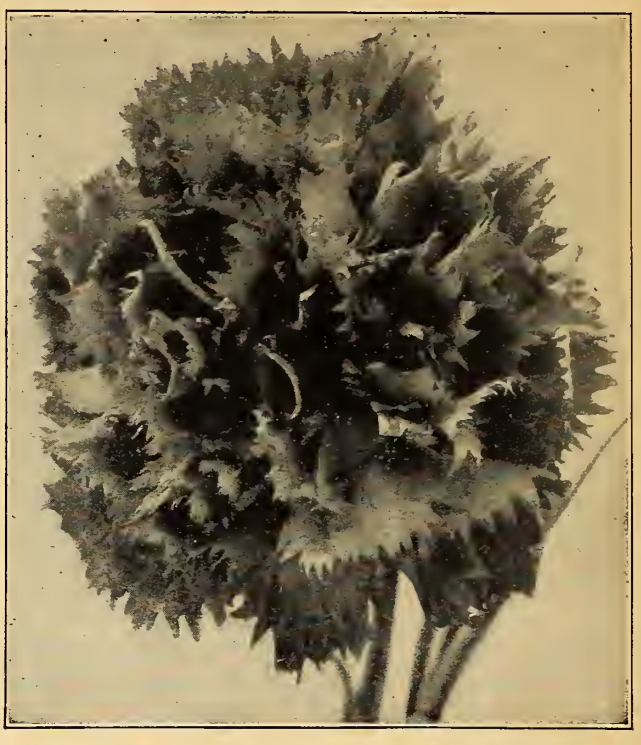
Candytuft

	Trade pkt.	Oz.
Giant Hyacinth-Flowered. Select, Pure White. This is a superior strain; it grows about 1½ feet high, with enormous trusses of blooms. The best strain in existence for florists' use. Sow early in January for Mothers' day.....4 oz., $2.60; lb., $8.00	$0.20	$0.80
Umbellata Carminea. Carmine. 12 in...¼ lb., $1.60	.15	.50
Alba. White. 12 in.....¼ lb., 1.60	.15	.50
Flesh-Pink. 12 in.....¼ lb., 1.60	.15	.50
Lilacina. Lilac. 12 in.....¼ lb., 1.60	.15	.50
Purpurea. Crimson. 12 in.....¼ lb., 1.60	.15	.50
Rose Cardinal. Rose-pink. 12 in.....¼ lb., 1.60	.15	.50
Vaughan's Special Mixed..¼ lb., $1.60; lb., 4 80	.15	50
Dwarf Mixed. For pots or combination baskets...	.15	.60

For Gibraltarica and Sempervirens, see Perennial Pages.

Calliopsis

	Trade pkt.	Oz.
Tall All-Double Mixed. 3 ft. high. The best strain of double flowering Calliopsis. Flowers are semi-double and double, 1 to 1½ inches across, borne on long graceful stems.....¼ oz., 25c	$0.15	$0.80
Coronata Maxima (Crown of Gold). Bright yellow. 20 in.	.15	.60
Drummondi (Golden Crown). Rich golden yellow with a shining maroon central zone.	.15	.60
Semi-Double Gold Crest. A rich golden yellow color with a reddish brown zone. Flowers are 2½ to 3 inches across and come with a double row of mammoth petals.	.15	.60
Vaughan's Special Mixture.	.15	.60
Dwarf Mixed.	.15	.40
Dazzler. Dwarf variety. Dark red flowers edged deep golden yellow.	.15	.60



Fragrant Double Carnations of the Enfant de Nice type can be grown in five months from seed

Carnation

Vaughan's Early and Perpetual-Flowering

Plants bloom in about five months from sowing and continue to bloom until the end of summer. The flowers are very double, of large size and clove scented. The calyx does not split. They are borne on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and comes true to color.

Deep Rose	Rose-Pink	White
Flesh-Pink	Salmon-Rose	Yellow
Maroon	Scarlet	

	Trade pkt.	Oz.
Each of above.....¼ oz., 90c	$0.35	$3.20
Vaughan's Early and Perpetual-Flowering, mixed .....¼ oz., 90c	.35	3.20

Enfant de Nice

They are of compact growth with extremely stiff stems bearing flowers which are up to 2¼ to 2¾ inches in diameter without disbudding the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

White	Rose	
Salmon	Red	

	Trade pkt.	Oz.
Each of above.....⅛ oz., $2.00	$0.50	....
Mixed, from varieties noted above..... .....⅛ oz., $1.50; ¼ oz., $2.75	.50	$9.00
Giant Margaret Mixed, 20 in.....¼ oz., 65c	.25	2.20
Malmaison J. M. Bridgeford. Of sturdy habit, upright growing plant bearing large flowers. 3½ to 4 inches across, all being of equal size. The chief merit lies in the extensive color range. Some 25 different colors have been counted..... .....⅛ oz., $1.10; ¼ oz., $2.00	.50	....
Teicher bi-annual mixed. Produces extraordinary large blooms in a fine range of colors; excellent for cutting.....⅛ oz., $2.50	.75	....
Super Giant Mixed. A strain similar in habit and earliness to Chabaud Giant Improved but with extra large flowers. The flowers are at least one-third larger than Chabaud Giants. Very double and strongly clove scented.....¼ oz., $1.65	.50	6.00
Vaughan's Special Mixture. A mixture of Enfant de Nice, and Giant Margaret Mixed Vaughan's Early and Perpetual Flowering.....⅛ oz., $1.00	.50	....

For other Carnations, see Perennial Pages.

Celosia

		Trade pkt.	Oz.
Childsii (Chinese Wool Flower)			
Crimson. Deep Rose. Yellow. 2 ft. Each, ¼ oz., 50c		$0.25	$1.75
Mixed. The above colors	¼ oz., 50c	.25	1.75
Cristata (Cockscomb)			
Tall, Crimson	¼ oz., 50c	.25	1 75
Giant Crimson Glory. Brilliant heads of cherry red which appear deeper at a distance. They look almost blood red under artificial light. In bright sunlight the hairs on the plush-like heads make them appear to be overlaid with silver. Practically free of the branching habit. Average heads 8 in. to 10 in. by 5 in. Grow about 14 to 18 in. in height, have shining bright green leaves and a red tinged stalk	¼ oz., $1.75; ⅛ oz., $1.00	.50	....
Gilbert's Maple Gold. The blooms are the crested type. The color is an attractive pink tipped yellow but may vary somewhat. Plant grows about 30-36 in. tall with 8-12 heads normally, more if center is pinched	(300 seeds).	.50	....
Royal Velvet. Produces a large center head and numerous large, long-stemmed cockscombs of richest crimson, on basal branches. The foliage is bronzy green with reddish margins. 2 ft.	¼ oz., 80c	.25	3.00
Tall Sorts, Mixed	¼ oz., 25c	.15	.80
Nana Aurea. Dwarf, dark golden. 12 in.	¼ oz., 60c	.25	2.20
Empress. Crimson combs, dark foliage	¼ oz. 60c	.25	2.20
President Thiers. Dark crimson. 12 in.	¼ oz., 80c	.25	3.00
Rosea. Dwarf. Dark rose combs. 12 in.		.25	....
Dwarf Sorts. Extra choice mixed	¼ oz., 60c	.25	2.20
Miracle Cockscomb, Mixed. Grows 2-3 ft. high without branches, terminated with remarkable cockscombs of enormous size	⅛ oz., $1.00	.50	....
Plumosa (Ostrich Feather)			
Crimson	¼ oz., 60c	.25	2.00
Orange	¼ oz., 60c	.25	2.00
Scarlet	¼ oz., 60c	.25	2.00
Parrot's Feather, Mixed		.35	....
Pride of Castle Gould, Mixed	¼ oz., 85c	.25	3.00
Pyramidalis Flame of Fire. 18-20 in. Perfect pyramidal habit with head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet		.35	....
Lilliput Dwarf Fire Feather. This dwarf strain is excellent for pots and combinations. 12 in.	⅛ oz., 65c; ¼ oz., $1.25	.25	4.00
Orange Feather. Golden orange. 15 in.	¼ oz, $1.25; ⅛ oz., 65c	.25	4.00
Mixed	¼ oz., $1.25; ⅛ oz., 65c	.25	4.00
Thompsoni Magnifica, Mixed	¼ oz., 60c	.25	2.00
Spicata. 3 ft. Branching freely, each stem terminating in a round, slender, pointed spike of bloom. The flowers at first are a soft bright rose, changing to silver-white	¼ oz., 50c	.20	....

CELOSIA, PYRAMIDALIS. FLAME OF FIRE
Trade pkt., 35c.

CENTAUREA Cyanus Super Giant Double Mixture

Centaurea

SUPER GIANT CENTAUREA CYANUS (Cornflower)

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.

May be sown out of doors just before freezing for early spring blooming.

Black Boy. Blackish maroon.
Blue Boy. Rich deep blue, very large flowers.
Pinkie. Deep pink.
Red Boy. Deep red.
Snowman. Best white.
Vaughan's Mixture of Super Giant New Varieties Mixed.
Each of above, Trade pkt., 15c; oz., 45c; 4 oz., $1.45; lb., $4.50

		Trade pkt.	Oz.
Centaurea Cyanus. Jubilee Gem. Dwarf blue, 12 in.	¼ oz., 35c	$0.20	$1.00
Americana (Basket Flower). Lilac, 4 ft.	lb., $6.00	.15	.60
Alba. White. 4 ft. Fine cut flower	lb., 6.00	.15	.60
Imperialis (Giant Sweet Sultan). 32 in. Amaranth. Deep purple. Deep Lavender. Brilliant Rose. Pure white.			
Each of the above		.20	.80
Mixed Colors		.20	.80
Vaughan's Special Mixture. Includes all the annual Centaurea sorts		.20	.80
Candidissima (Dusty Miller). White leaved for bedding. 6 in.	¼ oz., $1.00	.50	3.50
Gymnocarpa. Fine cut leaved variety with silvery foliage. 24 in.	lb., $6.00	.15	.60

See also Perennial Pages.

Cardinal Climber	¼ oz., 55c	.25	2.00

CHRYSANTHEMUM Vaughan's Rainbow Mixed

Chrysanthemum

Chrysanthemums provide long stemmed cut flowers which are useful to a florist. The annual varieties are probably most generally used. They are easily grown from seed, coming into flower early. Attractive colors both for inside or outside growing.

	Trade pkt.	Oz.
Carinatum Vaughan's Rainbow Mixture. A surprising blend of entirely new shades and color combinations in Annual Chrysanthemums. The very free flowering 2 feet high plants are early blooming, coming into flower 2 months from the time of sowing; from June until September they give a truly amazing display.....¼ oz., 60c	$0.30	$2.00
Carinatum Single Mixed.....	.15	.50
Goldwings. 3 ft. Large daisy flowers with long feathery petals of gleaming yellow. A mass of flowers all season.....	.25	....
Inodorum Plenissimum. Bridal Robe. Pure white, extra double, compact, fine foliage, 20 in. ⅛ oz., 50c	.25	....
Vaughan's Double and Single Mixed, annual sorts...	.15	.60
Frutescens (Paris Daisy). White, 30 in....¼ oz., 50c	.25	....

See also Perennial Pages.

Clarkia Elegans Fl. Pl.

This is now much planted for cutting, both in and outdoors. If grown indoors, plants must be starved. Sow in January, grow on in flats or shallow raised bench. 2 ft.

Albatross. Pure white.
Brilliant. Bright carmine rose
Firebrand. Brilliant copper scarlet.
Illumination. Orange and rose.
LaFrance. Salmon pink.
Orange King. Orange scarlet.
Purple Prince. Rich purple.
Rosy Morn. Beautiful rose.
Salmonea Perfecta. True salmon.
Scarlet Queen.
Vaughan's Special Mixture.

Each of the above: Trade pkt., 15c; ¼ oz., 30c; oz., $1.00.

	Trade pkt.	Oz.
Cineraria Maritima Candidissima (Dusty Miller)....¼ oz., 25c	$0.15	$0.90
This variety of "Dusty Miller" is preferred by the staff of the Garfield Park, Chicago, Illinois as they have found these plants do not rot as the Centaurea Candidissima is apt to.		
Maritima Diamond. Leaves pure white..¼ oz., 25c	.15	.90

CINERARIA Multiflora Nana Gold Center

CINERARIA "GOLD CENTER" OF THE MULTIFLORA NANA TYPE

We were the introducer of this magnificent strain several years ago. It is distinguished by the golden yellow stamens—in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers.

1/32 oz., $3.50; 1/64 oz., $2.00; 500 seeds, 60c; 1000 seeds, $1.00.

Cineraria Hybrida

	Trade pkt.	Oz.
Vaughan's Columbian Mixture. Contains the best large flowering types and colors as well as Cremer's, Potsdam, Siter's and Gold Center strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. 1/64 oz., $1.75; 1/32 oz., $3.00; 1/16 oz., $5.50 .....1000 seeds	$1.00	....
Cremer's Prize Mixture. Re-selected. Somewhat taller and larger flowered than Multiflora Nana .....1/64 oz., $2.20; 1/32 oz., $4.00; 1/16 oz., $7.50	1.50	....
Howard and Smith's Strain. Mixed. A very fine selection from a California specialist.....	1.00	....
Vaughan's Special Mixture of Cremer's, Siter's and Gold Center.....1/64 oz., $2.00; 1/32 oz., $3.75	1.00	....
Multiflora Nana. Mixed, all colors,..... .....1/64 oz., $1.60; 1/32 oz., $3.00;	1.00	....
Potsdam Strain. Mixed (Berlin Market or Weissensee). American grown seed. The plants are taller and flowers larger than Cremer's..... .....1/64 oz., $1.75; 1/32 oz., $3.00	1.00	....
Siter's Rainbow Strain. Mixed. Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth with small leaves. Earlier than Cremer's .....1/16 oz., $8.00; 1/32 oz., $4.50; 1/64 oz., $2.50	2.00	....
Star Cineraria (Cineraria Hybrida Polyantha). Feltham Beauty. Fine small flowering variety for cutting and decorative purposes, nearly all have white centers. 2 ft.....1000 seeds	.75	....

	Trade pkt.	Oz.
Cleome Pungens (Spider Plant). Giant Pink Queen. A tall and attractive border plant, with huge heads of delightful and refreshing pink. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost.....¼ oz., 50c	$0.30	$1.80
Clianthus Dampieri (Glory Pea of Australia) dark red and black, 24 in.....	.35	....
Cockscomb. See Celosia.		
Coix Lachrymae. Corn Beads, Job's Tears. lb., $2.60	.10	.25
Coleus Glory. A mixture of bronze, pink, apricot shades, cream, etc. A remarkably fine strain; it is unequalled for the beautiful form and coloring of its large leaves. Make splendid pot plants. Sow seed January 1st for Memorial Day plants.	1.00	....
Colosse de Pyrenees, Whitish ground dotted with red shades.....	1.00	....
Vaughan's Rainbow Mixture. The above and others	.75	....
Corn. Calico or Indian Squaw. Multi-colored kernels for fall decorations..... lb., $1.00	....	15
Strawberry Corn. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks which may be bent back showing the ear. These stalks sold on Chicago Market at 10c each.....¼ lb. $1.00; 1 lb., $3.60	....	.30
Convolvulus Major (Morning Glory). Mixed.....¼ lb., 50c		.15
Crimson Rambler. Bright ruby red.... ¼ oz., 25c	.15	.80
Dwarf Royal Ensign. Is deep bright ultramarine blue; the deepest and brightest color of all blue annuals. The plants are fairly covered with their attractive blossoms all summer. Use for edging and borders.....¼ oz., 60c	.25	2.00

Ornamental Cotton

Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white balls make winter bouquets..... .25 1.25

Cordyline. See Dracaena.

Coreopsis. See Perennial Pages.

Cornflower. See Centaurea Cyanus.

Cobaea Scandens. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. Trade pkt., 15c; ¼ oz., 30c; oz., $1.00.

COSMOS Double Early Flowering

Cosmos

	Trade pkt.	Oz.
Sensation Mixed. Very early giant flowered type. Plants grow 4 to 6 feet. Flowers are quite large, 4 to 6 inches across, with broad fluted petals which slightly overlap. Colors pink and white. For exhibition flowers, leave plants 3 to 4 ft. apart and disbud.....¼ oz., 35c	$0 20	$1.20
Dazzler. Crimson.....¼ oz., 35c	.20	1.20
Pink Sensation.....¼ oz., 35c	.20	1.20
White Sensation.....¼ oz., 35c	.20	1.20
Double Early-Flowering. Pink, White or Red. They come about 75 percent double.....¼ oz., 60c	.30	2.00
Double Early Flowering. Mixed.....¼ oz., 60c	.30	2.00
Orange Flare. Early flowering deep orange. ¼ oz., 25c	.15	.80
Semi Double Orange Ruffles. Vivid and intense golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored large blossoms. Extremely free blooming,.....¼ oz., 30c	.20	1.00
Yellow Flare. 3-4 ft. Similar to the original Orange Flare, except its color is a very rich and compelling butter yellow.....¼ oz., 30c	.20	1.00
Cuphea Firefly. This is a semi-dwarf, compact growing annual about 12 inches in height. The flowers are freely produced, a deep rosy scarlet color, deepening to almost purple at the center. The plants flower in about five months.....⅛ oz., 75c; ¼ oz., $1.20	.25	....
Avalon Hybrids. Curiously attractive, irregularly fashioned blossoms in season-long profusion, the compactly foliaged plants with flowers of lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion, with all intermediate shades.....1/16 oz., 60c; ⅛ oz., $1.00	.25	....
Cynoglossum Blue Bird (Improved Chinese Forget-me-not). A lovely plant 18 to 24 inches tall with flowers of a rich, bright blue. May be grown either outside or under glass.....¼ oz., 30c	.15	1.00
Firmament. A dwarf type of the Chinese Forget-me-not. 15 to 18 in. tall, bushy, of a rich blue color, a popular color in the garden. It can also be used as a cut flower. ¼ oz., 35c	.20	1.20
Cyperus Alternifolius (Umbrella Plant).....	.35	....

Cyclamen—Persicum Giganteum

☞ Our Cyclamen seed has been grown by experienced American growers who have specialized in this item for years.

Cyclamen prices are net. 250 seeds of one variety at 1000 rate, less than 250 seeds of one variety at 100 rate.

	100 Seeds	1000 Seeds
Baardse's Wonder. Salmon with white border	$2.25	$20.00
Bonfire. Brilliant salmon	2.25	20.00
Bright Red	1.75	16.00
Dark Blood Red	1.75	16.00
Lavender	1.75	16.00
Mozart. Deep pink	1.75	16.00
New Ruffled, Mixed	2.30	
Orange Beauty. Orange vermilion	2.30	21.00
Pink Pearl. Salmon-pink	2.30	.....
Pure Rose	1.75	16.00
Pure White	1.75	16.00
Salmon Scarlet (America Improved)	2.30	20.00
Salmon-Rose Improved	2.25	20.00
Salmon Dark (Glory of Wandsbek or Pearl of Zehlendorf)	2.20	18.00
Salmon Light (Rose of Zehlendorf)	2.20	18.00
Soft Rose with Carmine Eye (Improved Rosa von Marienthal)	1.75	16.00
Striped Mixed	2.25	20.00
White with Carmine Eye	1.75	16.00
Vaughan's Florist Mixture	1.75	15.00

Double Cyclamen

This strain comes about 80% true from seed.
Admiration. A beautiful salmon-rose with shaded eye.
Cerise Brilliant. A good Christmas red.
Prosperity. An azalea type, flaming rose color.
Rosea. A soft rose with a coral cast, shading lighter at petal tips.
Double Mixed. The four above.

Each of the above, 100 seeds, $3.50; 250 seeds, $7.00; 500 seeds, $13.00.

Type of Our Cyclamen Persicum Giganteum

DAHLIA Unwin's Dwarf Hybrids XXX Strain.
A Splendid Pot Plant Item for Mothers' Day.

Dahlia

These are easily grown from seed and will bloom first year if sown early.

UNWIN'S DWARF HYBRIDS

(XXX Strain)

Seeds sown in March, plants will be in bloom by the end of June. Graceful semi-double flowers in a wide range of colors. If tubers are divided and potted in February (start in a cool house), they make fine plants for Mothers' Day. Trade pkt., 25c; ¼ oz., 65c; oz., $2.20; 4 oz., $6.50.

	Trade pkt.	Oz.
Single Coltness Hybrids, mixed. 1 ft. ¼ oz., 50c	$0.25	$1.60
Scarlet. Bright scarlet. ¼ oz., 60c	.35	2.00
Single Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. ¼ oz., 60c	.25	2.00
Zulu. Dwarf double, dark leaved, mixed	.35	....

Didiscus Coeruleus, Lavender Lace Flower, blue. 2 ft. ¼ oz., 35c	.20	1.20
Vaughan's Improved Wilt-Resistant Blue Lace Flower. An improved variety with flowers of a deeper blue and half again as large. Strong heavy stems, many measuring 18 inches from first joint, with well shaped flowers measuring 2½ to 3½ inches in diameter. Plant in pots to follow "mums" or sow direct in beds, thinning to about 6 in. in rows a foot apart; does not transplant well. Not over Carnation temperature needed. ⅛ oz., $1.00; ¼ oz., $1.75	.50	6.00

Cyclamen flowers keep well when cut, if you make an incision lengthwise into the lower part of the stem with a sharp knife and put flower stems immediately into water.

DIANTHUS Vaughan's Special Double Mixed

FREESIAS Golden Daffodil

HUNNEMANNIA Sunlite

Dianthus — Annual Pinks

		Trade pkt.	Oz.
Dianthus Heddensis Westwood Beauty, Red Shades. As the name implies, this is the result of a cross between Dianthus Heddewigii and Dianthus Chinensis, combining the large open flowers of Heddewigii and the long stems of Chinensis. Flowers single, 1½–2¼ inches, deeply laciniated. The color is somewhat variable in red shades of crimson and scarlet, some having attractive white edgings. Average height 12 inches. We believe this fine new Dianthus will become a good florist item, as well as a garden favorite. Honorable Mention 1446 All America Trials	¼ oz., 80c	$0.35	$3.00
Chinese Double Mixed	½ oz., 60c	.20	1.00
Heddewigii fl. pl. Fireball. Double, brilliant dark scarlet	¼ oz., 40c	.20	1 40
Double Mixed	¼ oz., 40c	.20	1.40
Gaiety. Very large, showy fringed flowers; wide range of lovely colors, pure white to crimson	¼ oz., 70c	.35	2.40
Laciniatus Splendens. The flowers are very large, a brilliant shade of crimson, with a large boldly contrasting glistening white eye. 1 ft.	¼ oz., 35c	.20	1.20
Vaughan's Special Mixed, Double and Single Pinks	½ oz., 65c	.20	1.10
Vaughan's Special Mixture, Single Pinks.	½ oz., 60c	20	1.00
Vaughan's Special Mixture, Double Pinks.	½ oz., 70c	.20	1.20

Sweet Wivelsfield

A hardy annual of wonderful colorings. The flowers are larger than Sweet William and borne in trusses. This perpetual-flowering Dianthus has won wide popularity both as a cut flower of lasting quality and as a bedding plant.

		Trade pkt.	Oz.
Single Mixed	¼ oz., 35c	$0.20	$1.20
Double Mixed	¼ oz., 60c	.25	2.20

Barbatus. See Perennial Pages.
Plumarius. See Perennial Pages.

Digitalis. See Perennial Pages.

Dimorphotheca Aurantiaca (Orange Daisy). Glossy golden orange flowers. 12 in.	¼ oz., 60c	.20	2.00
Aurantiaca, New Hybrids	¼ oz., 30c	.20	1.00
Ecklonis. White, dark blue center		.35	....
Golden West. Yellow orange center	¼ oz., 60c	.20	2.00
Salmon Beauty. Soft salmon pink	¼ oz., 60c	.25	2.00
Dolichos Lignosus, Australian Pea Vine. Purple		25	
Dracaena Indivisa. Narrow-leaved.	¼lb.$1.50,lb.,$5.00	.15	.50

Dusty Miller. See Centaurea and Cineraria.

Echium Blue Bedder. Dwarf rather compact plants about 1 ft. tall. Purplish blue flowers. Blooms in six weeks from sowing until frost		.35	....
Euphorbia Heterophylla (Mexican Fire Plant). 3 ft.	¼ oz., 40c	.15	1.40
Variegata (Snow-on-the-Mountain). Foliage edged white and green. 2 ft.	lb., $5.00	.15	.50

Escholtzia

		Trade pkt.	Oz.
California, Spreading Varieties. 1 ft.			
Aurantiaca. Orange		$0 15	$0.60
Golden West. Yellow-orange center		.15	.60
Mandarin. Inside petals orange, outside scarlet		.15	.60
Monarch Art Shades. Double	½ oz., 40c	.20	1.00
Vaughan's Special Mixture	½ oz., 45c	.20	.80
Hunnemannia (Bush Escholtzia). Yellow. 18 in.		.15	.60
Sunlite. Double bright canary colored flowers. Grey green foliage	¼ oz., 50c	.25	1.60

Everlasting Flowers. Annual. See Acroclinium, Helichrysum, Xeranthemum, Gomphrena and Statice.

Perennials. See Echinops, Eryngium, Gypsophila, Lunaria, Physalis and Statice.

Exacum Affine. Beautiful greenhouse pot plant, producing sweetly scented bright mauve flowers. Flowering within 6 months from sowing. Height 9 inches | 1.00

Fern Spores

Adiantum Cuneatum
Adiantum Hybridum
Adiantum Hispidulum
Adiantum Wrightii
Cibotium Schiedei
Aspidium tsussemense
Cyrtomium falcatum
Cyrtomium Rochfordianum (Holly Fern)
Cyrtomium Rochfordianum compactum
Pteris albo-lineata
Pteris serrulata
Pteris serrulata cristata
Pteris tremula
Pteris Wilsonii
Pteris Wimsettii
Pteris Wimsettii multiceps
Pteris Rivertoniana

Any of the above, per trade packet, $1.25.

Feverfew. See Matricaria and Pyrethrum.
Forget-Me-Not. See Perennial Pages.
Foxglove (Digitalis). See Perennial Pages.

Freesias

Sow seed in cold frame the middle of May, covering with sash for about three weeks or until plants are up, gradually removing sash so plants become accustomed to air. The bulbs can be lifted by the middle of September. They will bloom in January with nice large blooms and long stems. 1 oz. contains about 1000 seeds.

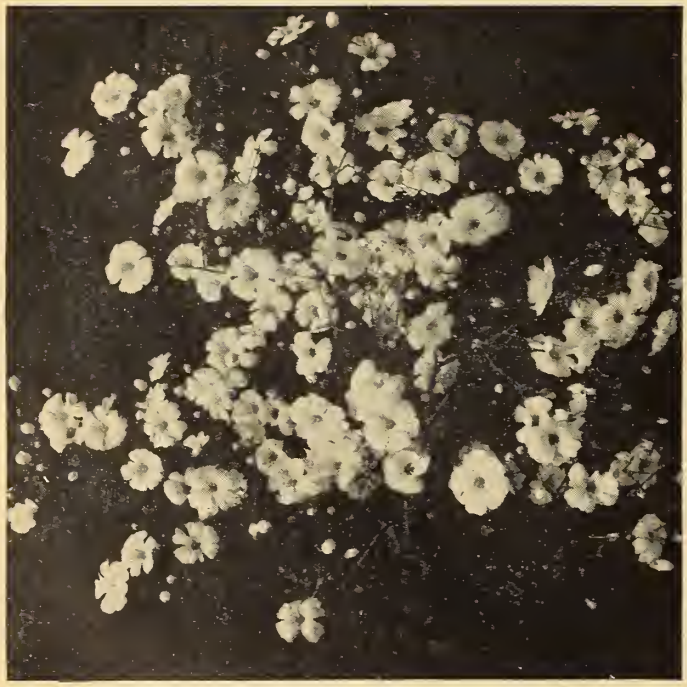
		Trade pkt.	Oz
Freesia Refracta Alba Pura. Pure white.	¼ oz., $1.25	$0.50	$4 00
Rainbow hybrids. Colored varieties	¼ oz., 80c	.35	3 00
Golden Daffodil. Clear light yellow with orange blotch	¼ oz., $1.25	.50	4.00

	Trade pkt.	Oz.
Gaillardia Lorenziana. Double mixed, 20 in. ..... ¼ oz., 30c	$0.15	$1.00
Sunshine. Harmonious blending of giant annual Gaillardias, ranging from almost self red with but slight, though sharply contrasting yellow tipping, to less and less red until some flowers are a pure self yellow. Fully double blooms, 2½ to 3 in. across on stiff stems. 2½ ft. tall..... ¼ oz., 65c	.25	2.20
Garden Heliotrope. See Valeriana, Perennial Pages.		
Gazania. Splendens Hybrida Grandiflora. Mixed. ..... ⅛ oz., 65c; ¼ oz., $1.20	.30	....
Gilia Capitata Reselected Blue (Blue Thimble Flower). Fine feathery foliage; attractive ball-shaped flowers, 1 in. in diameter. 2 ft.....	.15	.60
Globe Amaranth Rubra (red-purple)..... ¼ oz., 30c	.15	1.00
Orange (Haageana). Flower looks like a ripe strawberry; a fine everlasting..... ¼ oz., 35c	.15	1.00

Ornamental Gourds

An increasingly important addition to the florists' list, as evidenced by the demand in retail stores. Cultural directions and instructions for preparing the fruit with each order if asked for at time of ordering.

SMALL FRUITED	Trade pkt.	Oz.
Apple-Shaped.....	$0.15	$0.50
Bottle, Miniature.....	.15	.50
Crown of Thorns, also known as Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl. Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. The shell is hard and durable, as in other yellow-flowered gourds. Fruit is white or ivory white.....	.20	.80
Flat Striped. Green and white stripes.....	.15	.50
Nest Egg. Practical nest eggs.....	.15	.50
Orange. The well known Mock Orange.....	.15	.50
Ornamental Pomegranate or Queen's Sweet Pocket Melon. Fruit deliciously perfumed.....	.20	.80
Pear-Shaped. Mixed.....	.15	.50
Spoon. Small ball-shaped fruit with slender neck, deep orange. By slicing off a side a satisfactory spoon is made.....	.15	.50



GYPSOPHILA Elegans Grand. Alba. London Market

ORNAMENTAL GOURDS

GOURDS Small Fruited—Continued	Trade pkt.	Oz.
Warted Sorts Mixed.....	$0.15	$0.50
Small Fruited Varieties Mixed.....	.15	.50
LARGE FRUITED		
Bird's Nest.....	.15	.50
Bottle. Large. The original Thermos bottle. Makes fine bird house.....	.15	.50
Calabash or Pipe Gourd. Odd-shaped fruit which is used in making pipes.....	.15	.50
Cave Man's Club. Also called Dolphin and Maranku. Knobby, club shaped, dark green.....	.15	.50
Dipper. Fruit makes an excellent dipper and may be used for bird house.....	.15	.50
Dishcloth or Towel. The fruit is made of a spongy-like porous pulp, which may be dried and used as a sponge. The fruit is eaten when young, being cooked like squash.....	.15	.50
Hercules' Club. Fruit grows 3 to 4 ft. long.....	.15	.50
Turk's Turban. Ornamental, brightly colored.....	.15	.50
Sugar Trough. Thick shells, very durable.....	.15	.50

Sow with Gourds for Decorative effect. Squaw Corn and Strawberry Corn on Page 17.

Vaughan's Special Mixture. All shapes and sizes of these interesting fruits so fashionable for ornaments, bird houses, and utensils, are included in this mixture. Trade pkt., 15c; oz., 80c.

Gloxinia Hybrida

Vaughan's Columbian Mixture. This is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and we know that better seed is not to be had at any rate. Trade pkt. (about 1,000 seeds), $1 25.

Beacon. Flowers rich dark red, flexible leaves. 1000 seeds, $1.25.

	Trade pkt.	Oz
Spotted and Stained Mixture..... 1,000 seeds	$1.25	....

Gypsophila

Elegans Grandiflora Alba, London Market. Special Florist strain..... ¼ lb., 75c; lb., $2.25	...	$0.25
Large flowered, pure white. A very fine strain. ..... ¼ lb., 60c; lb., $2.00	...	.20
Carminea. Deep rose..... ¼ oz., 45c	$0.15	1.40
Crimson..... ¼ oz., 45c	.15	1.40
Muralis. Dwarf, pink. Fine border and rock garden plant, 6 in..... ¼ oz., 70c	.25	2.40

Godetia

Plant in rather poor soil. They thrive in cool weather under moist conditions. Treat these as suggested for Clarkia.

Tall Double Grandiflora

		Trade pkt.	Oz.
Mixed. Gladiolus-like flowers in long trusses; excellent for cutting. 2 ft.	¼ oz., 30c	.15	$1.00
Dwarf Double Mixed	¼ oz., 45c	.25	1.40
Upright Single.			
Duke of York. Rich scarlet on white. 16 in.	¼ oz., 50c	.25	1.75
Kelvedon Glory. Glowing salmon-orange.	¼ oz., 50c	.25	1.75

Grevillea Robusta (Silk Oak). Excellent fern-like foliage plant for combination pots and baskets for fall and winter. Sow in early spring. Well grown single specimens make fine pot plants... ¼ oz., 55c .20 1.80

Helianthus (Sunflower) Sun Gold. 4 to 5 ft. Brilliant golden yellow, double globe shaped flowers. Free blooming, 100% double, even and true shape. Early pinching will make many side shoots and in consequence smaller than one large flower if disbudded. Excellent for cutting..... ¼ lb., $3.00 .15 1.00

Helichrysum Monstrosum Fl. Pl. (Strawflower).
Canary Yellow Golden Ball Salmon Queen
Rose Queen Silvery Pink Fireball
Silver Ball Violet Queen

Each of the above	¼ oz., 40c	.20	1 40
Vaughan's Special Mixture	¼ oz., 40c	20	1 40

Heliotrope. Will bloom from seed in four months.

Mammoth Flowered. Mixed.	⅛ oz., 65c; ¼ oz., $1.20	.35	
Regale Dwarf Mixed. A fine mixture of dwarf sorts.	¼ oz., $1.00	.35	....

Honesty. See Lunaria Biennis—Perennial Pages.

Hunnemannia. Fumariaefolia (Bush Escholtzia). Does well in greenhouse; grow cool, 18 in..... .15 .60

Sunlite. Double bright canary-colored flowers. Gray-green foliage. 2 ft..... ¼ oz., 50c .25 1.60

Ice Plant. See Mesembryanthemum.

Impatiens

These Impatiens will make splendid pot plants for Christmas and are useful for porch boxes, northern exposure.

Impatiens Sultani Hybrids Mixed..... 500 seeds .50 ....

Kalanchoe Globulifera., Var. Coccinea (Blossfeldiana). 12 inches. Bright scarlet flowers. Very choice pot plant..... 3,000 seeds, $1.10; 1,500 seeds .60 ....

Tom Thumb. A dwarf variation of the popular K. Blossfeldiana, with the same color. The general habit is more dwarf and the very short-flowering stems form just beyond the foliage and the flowers actually envelope the entire plant..... 1/64 oz., $5.00; 1,000 seeds, $1.25 ....

KALANCHOE

IPOMOEA Clark's Early Flowering Heavenly Blue

Ipomoea

	Trade pkt.	Oz.
Single Best Fringed Mixed	$0.20	$0.80
New Giant Cornell. The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive ..... ¼ oz., 45c	.20	1.40
Noctiflora (Moonflower). White seeded	.15	.50
Clarke's Early-Flowering Heavenly-Blue. The improved clear blue early-flowering strain. Fine pot plant item. Sow in 4-inch pots and stake. Flowers when about 2 ft. high (6 weeks)..... ¼ lb., $2.00	.20	.65
Improved Early-Flowering Heavenly Blue. More intense blue	.15	.80
Pearly Gates. A big satiny white, with a creamy shading in the throat, gives this a beautiful appearance. Plant with Heavenly Blue and Crimson Rambler or Scarlett O'Hara for red, white and blue effect. Reaches 12 feet, with luxurious foliage..... ¼ oz., 45c	.35	1.40
Rose Marie. Double rose flowers..... ¼ oz., 25c	.15	.80
Scarlett O'Hara. Flowers are a carnelian red, sometimes called carmine, self color about 3½ inches across. Stays open longer than other sorts. Foliage is quite distinct, each leaf having one large and two small side lobes..... ¼ oz., 35c	.20	1.00
Setosa (Brazilian Morning Glory). Red	.15	.50

Jacaranda Mimosaefolia. A tree in subtropical regions with foliage as finely cut as a fern, symmetrical and elegant. Showy blue or violet flowers valuable in the north for conservatory decorations or subtropical bedding. Young plants make attractive pot plants. 100 seeds, 50c; 1,000 seeds, $3.50. ....

Kochia Childsii (Summer Cypress) .10 .25

Lantana Dwarf. Hybrida. Mixed. Sow early and give bottom heat..... ¼ oz., 55c .25 1.80

Lathyrus Latifolius. See Perennial Pages.

Lavatera Alba Splendens. Pure white. 30 in. ¼ oz., 30c .15 1.00

Splendens Loveliness. (Sunset). Glowing rose-pink flowers, bronze foliage..... ¼ oz., 30c .15 1.00

Lavender Lace Flower. See Didiscus coeruleus.

Lemon Verbena (Aloysia Citriodora). Fine pot plant. .35 ....

Leptosiphon. French hybrids. 10 in. Free flowering star-shaped flowers in many colors..... ¼ oz., 30c .20 1.00

Leptosyne Maritima. Yellow. 24 in..... ¼ oz., 30c .15 1.00

Annual Larkspur

For outdoor blooming start in flats in the house, shift into 2-inch pots and plant in April or sow in the open as soon as ground is ready. To get satisfactory germination from Larkspurs in the hot weather, it is necessary to chill the seeds in an ice box for several days before sowing. Larkspurs must be grown cool. For a greenhouse crop in May, sow in January or February.

GIANT DOUBLE IMPERIAL—The Base Branching Type—4 ft.

This type is the most desirable for outdoor growing. A new race of annual Larkspur of upright growth, branching from the base of plant, producing more and longer flower stems for cutting:

Blue Bell. Fine medium blue.
Blue Spire. Dark blue.
Carmine King.
Coral King. Blush pink with a suffusion of coral.
Daintiness. Delicate lavender.
Dazzler. Rich scarlet.
Exquisite Pink Improved. Salmon-pink.
Gloria Improved. Rich, deep rose-salmon.
Lilac King.
Lilac Spire. Beautiful lilac color.
Los Angeles Improved. Salmony scarlet.
Miss California. Deep pink on salmon.
Montrose. Clear rose pink.
Pink Perfection. Lively light pink.
Sweet Lavender. Light Lavender Blue.
White King. Glistening pure white.

Each of the above, trade pkt., 25c; ¼ oz., 40c; ½ oz., 65c; oz., $1.10; lb., $11.00.

Brilliant Rose. Trade pkt. 35c; ¼ oz., 80c; ½ oz., $1.30; oz., $2.20.

Giant Imperial Vaughan's Special Mixed. All colors. Trade pkt., 25c; ½ oz., 65c; ¼ oz., 40c; oz., $1.10; lb., $11.00.

STOCK-FLOWERED—4 ft.

Ageratum Blue.
Dark Blue.
Lilac Supreme. Deep lilac.
Rosamond. Pure rose.
Rose Queen.
White.

Each of the above. Trade pkt., 25c; oz., 90c; ¼ lb., $3.20; lb., $9.60.

	Trade pkt.	Oz.
Vaughan's Special Mixed Stock Flowered ..... ¼ lb., $3.20; lb., $9.60	$0.25	$0.90

SUPER MAJESTIC—5 ft.

Long tapering laterals branch from base of each plant and grow close to main stem, vigorous growth and abundance of flowers—5 ft.

Lavender
Rose Pink
White

	Trade pkt.	Oz.
Each of the above ..... lb., $15.00; ¼ lb., $5.00; ¼ oz., 50c	$0.35	$1.50

IMPROVED GIANT HYACINTH-FLOWERED—45 in.

Blooms much earlier than other tall Larkspurs. Non-branching, each plant produces one big Hyacinth-like spike, broad at the base and tapering toward the top, thickly studded with perfect double blooms to a length of 18 to 20 inches.

	Trade pkt.	Oz.
Dark Blue ..... ¼ oz., 50c	$0.30	$1.80
Lilac ..... ¼ oz., 50c	.30	1.80
Purple	.30	....
White ..... ¼ oz., 50c	.30	1.80
Giant Hyacinth Fld. Improved. Mixed ..... lb., $16.00; ¼ oz., 50c	.30	1.60

Lisianthus Russellianus (Eustoma). An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. 1⅔ ft. ..... ⅛ oz., $1.40 — .50 ....

Lobelia

	Trade pkt.	Oz.
Erinus Crystal Palace Compacta. 4 in. Deep blue, dark foliage ..... ¼ oz., 85c	.25	3.00
Compacta Blue Gown. Clear deep blue, without eye, fine compact habit ..... ¼ oz., 85c	.25	3.00
Blue Stone Reselected. Compact habit, large flowers, brilliant mid-blue ..... ¼ oz., 85c	.25	3.00

ANNUAL LARKSPUR GIANT IMPERIAL

LOBELIA Erinus Compacta—Continued	Trade pkt.	Oz.
Emperor William. Gentian-blue, light foliage. 4 in ..... ¼ oz., 85c	$0.25	$3 00
Mrs. Clibran. Deep blue, white eye .... ¼ oz., 85c	.25	3.00
Pumila Splendens, Bedding Queen. Regret not obtainable; Mrs. Clibran best substitute.		
Alba Snowball. 4 in.	.35	....
Sutton's Cambridge Blue. Light blue with green foliage ..... ¼ oz., 85c	.25	3.00
Dwarf Sorts, Mixed ..... ¼ oz., 75c	.25	....
Prima Donna. Velvety maroon. 10 in.	.25	.....
Pendula (for hanging baskets)		
Sapphire. Large deep navy-blue with white eye ..... ¼ oz., $1.00	.35	....
Tenuior ramosa nana compacta blue. Fine Gentian blue. 10 to 12 in. ..... ¼ oz., 85c	.35	3.00

Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop."

Nitrogen for inoculating Lupin seed. Garden size, pkt., 10c.

	Trade pkt.	Oz.
Hartwegii. Dark Blue, Oxford-Blue. 24 in.	$0.15	$0.80
Light Blue. Cambridge-Blue	.15	80
Rose	.15	.80
White	.15	.80
Rose Queen. Rose-pink, semi-dwarf	.15	.80
Mixed	.15	.80

Hartwegii Giants or King Lupinus. This improved giant strain is over a foot taller than the ordinary strain, reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.

King Dark Blue
King Sky Blue
King Heliotrope
King White
King Mixed

	Trade pkt.	Oz.
Each of the above ..... lb. $8.00	$0.20	$0.85

	Trade pkt.	Oz.
Leucocoryne Ixioides (Glory of the Sun). Large, fragrant flowers, blue with white center, charming for cutting.....⅛ oz., $1.50	$1.00	....
Leucanthemum. See Chrysanthemum Maximum in Perennials.		
Lilium. See Perennial Pages.		
Linaria Maroccana Excelsior, mixed. 12 in.....	.15	$.60
Fairy Bouquet. Compact growth, large flowers in many distinct colors. Blooms early. Flowers resemble miniature Snapdragons. 8 in. ¼ oz., 45c	.20	1.40

Marigold

TALL AFRICAN DOUBLE IMBRICATED

	Trade pkt.	Oz.
Guinea Gold. Orange flushed gold, producing many medium sized flowers. 2½ ft.....¼ oz., 50c	$0.25	$1.60
Yellow Supreme. Broad, loose-frilled petals, rich creamy yellow, honey fragrance. 2 ft....¼ oz., 50c	.25	1.60
Carnation Flowered Orange Supreme. Flowers are very large, 4 to 5 in. across, perfectly double, with an attractive, peony-like appearance. The intense orange flowers are borne on long, stiff stems, making them most desirable for cutting. Plants are much branched, upright growing, 2½ to 3 ft. tall. ¼ oz., 50c	.25	1.60

TALL AFRICAN DOUBLE FISTULOSA, 3 ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

All Double Lemon.....¼ oz., 50c	.25	1.60
All Double Orange.....¼ oz., 50c	.25	1.60
Lemon Queen, Los Angeles Florist Strain. All double.....4 oz., $5.00; ¼ oz., 50c	.25	1.60
Prince of Orange, Los Angeles Florist Strain. All double.....4 oz., $5.00; ¼ oz., 50c	.25	1.60
Mixed All Double Los Angeles Florist Strain. ¼ oz., 50c	.25	1.60

OTHER VARIETIES

Burpee Gold. Another Marigold minus the disagreeable odor. Beautiful carnation-like form, attractive habit, uniformity of color and blooming time, fully double. Flowers are an even rich deep orange color, 3½ in. across.....¼ oz., 50c	.25	1.60
Dwarf Gigantea, Pot O'Gold. 12 to 15 in. Plants are dwarf and compact, well branched, very neat in appearance, bearing a dozen or more of its large blooms at one time. Color bright deep orange. The flowers are somewhat loosely formed, very full centered with broad heavy petals, gracefully overlapping. Blooms early.....¼ oz., 50c	.25	1.80
Chrysanthemum Flowered Hybrids. A mixture of many types, in shades of orange, yellow and primrose. .....¼ oz., 50c	.25	1.60
Goldsmith. The best version of the Chrysanthemum-flowered Marigold which blossoms early enough for northern gardens. Globular flower with incurved petals, borne on long base branching stems, 3 ft. tall. .....¼ oz., 60c	.30	2.00
Limelight. A pale primrose-yellow or deep cream, in the Dixie Sunshine or incurved Chrysanthemum flowered type. Early and free flowering. 1½-2½ inches in diameter. 20 in.....¼ oz., 60c	.30	2.00
Mission Giant, Yellowstone. Bright rich clear yellow counterpart to Goldsmith, with large 2½ inch flowers, on luxurious, large plants. Late blooming and lasting until frost. Flowers are of double, incurved, Chrysanthemum-like form. Uniformly 3 to 5 feet tall.....¼ oz., 60c	.35	2.00

MARIGOLD WITH ODORLESS FOLIAGE

Burpee Gold—Carnation Flowered
Crown of Gold—Collarette

MARIGOLD All Double Los Angeles Florist Strain

MARIGOLD Other Varieties—Continued	Trade pkt.	Oz.
Mammoth Mum 30 in. Blooms early. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep and develop into the largest chrysanthemum flowered Marigold.....¼ oz., 80c	$0.35	$2.80
Early Sunshine. 2½ inches across and 1½ inches deep and they are extremely early. Bright lemon-yellow flowers. Ideal for cutting.....¼ oz., 60c	.30	2.00
Vaugan's Marigold Treasure Chest. 2½ to 3 ft. Remarkable for its wide color range and extremely high percentage of fully double flowers. Colors run from the deepest orange to lightest primrose. Flowers are of many shapes, but mostly of the Carnation and Peony-flowered forms. They are large, many 5 in. across, with the average somewhat over 4 in. Some begin to bloom early, some midseason and others late.....¼ oz., 50c	.25	1.80
Collarette Crown of Gold, Orange. 2½-inch flowers, crested center, broad guard petals, odorless foliage. .....¼ oz., 40c	.20	1.20
Sunset Giants. Huge flowers with a color range through orange-yellow and primrose...¼ oz., 50c	.25	1.80
Winter Harmony. Tall winter flowering greenhouse variety. Golden orange crested center, with reddish brown guard petals. Very even growth and long stems; 100% double 2½ in. flowers.....¼ oz., 50c	.25	1.80
Vaughan's Special Mixture Tall African Double Mixed. .....¼ oz., 50c	.25	1.80

DOUBLE DWARF FRENCH, 1 ft.

All Double Royal Scot Striped.....¼ oz., 50c	.25	1.60
Golden Ball. Golden orange shade.....¼ oz., 25c	.15	.90

SINGLE DWARF FRENCH, 1 ft.

Fire Cross. Saffron orange with a brown-red center..	.20	.80
Flash. All America Gold Medal, 1945. Bright combination of colors which range from vivid red through bronze with a few yellow flowers to give a harmonious contrast to the massed brilliance of the fiery alive plants. In most of the flowers the base color of tangerine is overlaid with rich marigold-red. Individual flowers of this new Single French Marigold grow 1¾ in. and more across; the plants, 18 in. tall.....¼ oz., 60c	.35	1.80
Legion of Honor (Little Brownie). Yellow and brown	.20	.80

MARIGOLD Harmony Type

MARIGOLD—Continued

	Trade pkt.	Oz.
DOUBLE DWARF FRENCH		
Dwarf Coronet Improved. Small scabiosa like flowers golden yellow in center and deep mahogany red collar. Plants compact, free and early blooming. 9 in. ¼ oz., 50c	$0.25	$1.80
Harmony. Flowers are a bright golden yellow with a rich maroon-red border. The plants, being about 12 inches high and of very bushy habit, can be utilized for cutting. ¼ oz., 30c	.15	1.00
Double, Butterball. Scabious-flowered, canary yellow. Only 6 to 10 inches tall, uniform, very early and continuous flowering. Bright and luminous bedding or edging variety. Rich, dense foliage, well covered with small 1¼-inch blooms. This makes a nice pot plant. ¼ oz., 50c	.25	1.80
Melody. Growing 12 to 15 inches high, literally covered with golden yellow, Harmony type flowers. Very uniform in height, habit and color; rather early, and a long steady bloomer. ¼ oz., 50c	.25	1.60
Sunkist. Many attractive orange colored flowers are 1½ inches across. Grand for bedding, edging and pot-culture. 6 to 12 in. ¼ oz., 50c	.25	1.80
Scarlet Glow. A distinct bright bronzy red color; 1¾ to 2 inches across. Some flowers show russet and gold, but as a whole it is probably the largest and brightest red double French sort. Compact bushy growth of about 12 inches. ¼ oz., 50c	.25	1.60
Spry. Very light orange crested center and maroon outer petals. 9 in. 4 oz., $5.50; ¼ oz., 50c	.25	1.80
Vaughan's Special Mixture of Newer Varieties of Dwarf French including Spry, Butterball, Sunkist, etc. ¼ oz., 50c	.25	1.80
MEXICAN MARIGOLD For Pots and Edging		
Gnome. Absolutely uniform in growth and color. Plants grow only 4 to 6 in. high with a spread of 8 to 10 inches; the slender fern-like foliage is fairly covered with dainty golden orange flowers. ¼ oz., 50c	.25	1.60
Golden Gem. Vivid deep orange yellow, compact, free blooming. ¼ oz., 50c	.25	1.80
DOUBLE DWARF AFRICAN		
Tom Thumb Golden Crown. This is a dwarf form of the well-known Guinea Gold. Plants grow only 10 in. high with bright golden yellow flowers, flushed with orange. An outstanding variety. ¼ oz., 50c	.25	1.60
LILLIPUT DOUBLE DWARF, 8 in.		
Yellow Pygmy. Light lemon-yellow, growing only 8 in. tall and compact. Small, 1¼-in. blooms, rather free and exciting for edging beds. ¼ oz., 50c	.25	1.60
Marvel of Peru. (Four O'clocks.) Mixed. lb., $3.00	...	.25

	Trade pkt.	Oz.
Mesembryanthemum Criniflorum (Livingstone Daisy). The plants are literally covered with one-inch flowers of the most delightful shades imaginable. Need full sun and lots of water. ⅛ oz., 65c; ¼ oz., $1.20	$0.35	....
Crystallinum (Ice Plant). Foliage glitters, being covered with ice-like globules, flowers small, pinkish white. For dry sandy spots. 6 in.	.25	....
Microsperma, Golden Tassel. Light green foliage like that of a Chinese Primula. The upright-growing bright chrome yellow flowers, consisting of a graceful five-lobed trumpet-shaped corolla 2 inches across, are adorned with a multitude of similarly colored stamens. 9 in.	.50	....
Mignonette. True Machet. Vaughan's Selected Stock ¼ oz., 40c	.20	$1.40
Goliath. Red, fine. ¼ oz., 30c	.15	1.00
Golden Goliath. Immense golden yellow spikes. ¼ oz., 30c	.15	1.00
New York Market. For greenhouse culture ¼ oz., $1.25	.50	....
Mimosa Pudica. (Sensitive Plant). ¼ oz., 55c	.25	1.80
Mimulus Moschatus (Musk Plant)	.35	....
Tigrinus. Large-Flowering. Single, mixed	.35	....

Nasturtium

DOUBLE TALL FRAGRANT VARIETIES

	Oz.	¼ lb.	Lb.
Golden Gleam. Semi-double, yellow	$0.25	$0.70	$2.40
Fire Gleam. Vivid orange scarlet	.25	.70	2.40
Indian Chief. Foliage dark green, vivid scarlet flowers	.25	.70	2.40
Orange Gleam. Orange	.25	.70	2.40
Scarlet Gleam. Bright orange-scarlet, fragrant	.25	.70	2.40
Glorious Gleam Hybrids. Wonderful range of color in double and semi-double flowers	.25	.70	2.40

DOUBLE DWARF FRAGRANT VARIETIES

	Oz.	¼ lb.	Lb.
Golden Globe. Yellow	$0.30	$0.80	$2.80
Globe of Fire (Scarlet Gem)	.30	.80	2.80
Gem Mixed	.30	.80	2.80

DWARF SINGLE SORTS

Vaughan's Special Dwarf Mixture. Contains a percentage of double flowers	.30	.80	3.00
Empress of India. Deep crimson, dark-leaved	.20	.80	3.00

TALL SINGLE MIXTURE

Vaughan's Special Tall Mixture. Our mixture contains a liberal amount of Gleam Hybrids.	.20	.60	2.20

NASTURTIUM Double Glorious Gleam Hybrids

NIEREMBERGIA Purple Robe

	Trade pkt.	Oz.
Nemesia Strumosa Suttoni. Mixed..... ¼ oz., $1.00	$0.25	....
Nana Compacta Blue Gem. Blue. 8 in..... ⅛ oz., 60c; ¼ oz., $1.00	.35	....
Edelweiss (White Gem).....	.35	....
Triumph. Mixed.....¼ oz., 90c	.35	$3.20
These dwarf Nemesias are fine for pots and combinations.		
Nicotiana Affinis. White, sweet-scented. 32 in.	.15	1.00
Affinis Hybrids. Mixed colors. 32 in.....	.15	.60
Crimson Bedder. Rich deep crimson...¼ oz., 50c	.25	1.80
Nana. Crimson Flame.....	.35	....
Sanderae. Crimson King. 30 in.....	.20	.80
Hybrids. Mixed. 30 in.....	.20	.80
Nierembergia Hippomanica. Coerulea. Forms a cushion of light green foliage covered with flowers of a delicate lavender hue, 1 to 1¼ inches across; clear yellow eye. Outstanding pot and bedding item, 9 in.....1/32 oz., $1.00; 1/16 oz., $1.75	.50	....
Purple Robe. Similar to Nierembergia Hippomanica, except several shades deeper blue or violet-blue in color....1/16 oz., $3.00; 1/32 oz., $1.65	.50	....
Nigella Damascena, Miss Jekyll. Dark blue. 18 in...	.25	....
Nolana. Blue Ensign. Native Chilean Bellflower. In pots it will grow 12 to 15 inches high; outdoors it spreads a little and throws up large ultra-marine-blue flowers on stems 5 or 6 inches high. Sow outdoors in May where the plants are to bloom. Fragrant.....¼ oz., 75c	.35	....

PANSY

See Outside Back Cover Page

Oxalis Rosea. Very fine. 6 in.....	.50	....
Passiflora Coerulea (Passion Flower). Blue.....	.35	....
Pennisetum Rueppelianum. Ornamental grass for edging Canna beds. Long graceful purple sprays., ¼ oz., 80c.....	.30	3.00
Perilla Frutescens Crispa. Big jaggedly fringed leaves in burnished purple-bronze, metallic in luster. Little blue flowers. A strikingly decorative foliage Annual of easiest culture.....¼ oz., 60c	.25	2.00
Plumbago Capensis. Spikes of rich pale blue flowers .....100 seeds, 75c	....	....

Pentstemon

These attractive tubular or bell-shaped flowers produced on good strong spikes make very fine plants that are exceptionally good for bedding and border planting. Although perennial in warmer climate, they are easily grown as annuals. Sow seed early (January-March) and treat as other annual bedding plants.

	Trade pkt.	Oz.
Sensation. The most brilliant and varied colors; many of them are beautifully edged with a fine contrasting color. 2 ft.....¼ oz., $1.20	$0.35	$4.00

See also Perennial Pages.

PHLOX Drummondi Gigantea

Phlox Drummondi Grandiflora

These grandiflora varieties make fine cut flowers. For best results, sow seed where you want them to bloom.

Alba. White.
Alba Oculata. White with eye.
Brilliant. Rose dark eye.
Carnea. Flesh.
Chamois Rose.
Cinnabar Scarlet. Brightest red.
Flaming Velvet. Deep velvety red.
Isabellina. Buff yellow.
Rosea.
Rosea Alba Oculata. Rose with white eye.
Scarlet.
Stellata Splendens. Scarlet white eye.
Stellata Atropurpurea. Deep reddish purple with white eye.
Stellata Rosea. Rose with white eye.
Violet Blue.

Each of above: trade pkt., 35c; ¼ oz., 90c; oz., $3.20.

	Trade pkt.	Oz.
Best large-flowering. Mixed.....¼ oz., 80c	$0.35	$2.80
Cuspidata mixed. Starred varieties mixed..¼ oz., 90c	.35	3.20
Gigantea Art Shades.....¼ oz., $1.40	.40	4.80
Red Glory. This is the richest bright red, with contrasting white eye.....¼ oz., $1.40	.40	4.80
Rosy Morn. Rose-pink with white eye, color deeper than Petunia of same name.....¼ oz., $1.40	.40	4.80
Salmon Glory. Pure salmon-pink with creamy white eye.....¼ oz., $1.40	.40	4.80

DWARF VARIETIES

Vaughan's Beauty. Mixed. This fine strain of large flowering dwarf Phlox is especially recommended for pot culture, combination and border planting. The plants grow about 8 inches high, compact, and very free blooming.....¼ oz., $1.40	.50	5.00
Dwarf Mixed.....⅛ oz., $1.00; ¼ oz., $1.80	.50	6.00
Fireball. Scarlet.....¼ oz., $1.40	.50	5.00

Poppy—Papaver

American Legion. Orange-scarlet flowers; are remarkable keepers.....	.20	.80
Rhoeas Shirley. Wild Rose Shirley.....	.15	1.00
Sweet Briar. A delightful shade of deep rose-pink. The blossoms are full double, resembling a very large double begonia.....	.15	.60
Vaughan's Special Mixture of Shirley varieties..... ½ oz., 45c	.20	.80

For Oriental and Nudicaule Poppies, see Perennial Pages.

Petunias—Complete List for Bedding and Pots

DWARF CALIFORNIA GIANTS IMPROVED

(Vaughan Blend)

The best strain of giant-flowered Petunias in existence for pot culture and bedding. The plants are bushy, grow about 12 inches high and produce their immense flowers freely and in a wonderful variety of colors.

For illustration in color see front cover.

½ Trade pkt., 75c; Trade pkt., $1.25; 1/64 oz., $2.50; 1/32 oz., $4.50; 1/16 oz., $8.00.

Dwarf California Giants. Dark Selection. A favorite with many growers and it has given universal satisfaction.

½ Trade pkt., 60c; Trade pkt., $1.00; 1/64 oz., $1.75; 1/32 oz., $3.20; 1/8 oz., $11.00; oz., $64.00.

Dwarf Giants of California Ramona Strain, dark and light shades. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats.

½ Trade pkt., 60c; Trade pkt. $1.00; 1/64 oz., $1.40; 1/32 oz., $2.60.

Extra Dwarf Giants of California. This new strain has been bred to fill the need for a truly dwarf pot Petunia. It is by far the best strain for this purpose in existence today. The color range has also been greatly improved and brightened. 1000 seeds, $1.50.

RUFFLED GIANTS WITH LARGE-VEINED THROATS

The flowers in this section measure from 5 to 7 inches across.

	Trade pkt.	Oz.
Copper-Red. Dark-throated. 1/32 oz., $2.80; 1/64 oz., $1.40	$0.75	
★ Giants of California. Mixed. This is a most superb mixture, not at all to be compared with the seed usually offered. 1/64 oz., $1.40; 1/32 oz., $2.80; 1/16 oz., $4.75	.75	....
Prince of Wuerttemburg. Rich dark red with dark throat.....1/32 oz., $2.80; 1/64 oz., $1.40	.75	....
Princess of Wuerttemburg. Pink veined purple.....1/32 oz., $2.80; 1/64 oz., $1.40	.75	....
Salmon Beauty (Marylyn). A unique color, rich salmon.....1/64 oz., $1.50	.75	....
Supreme Florist strain of Giants of California. A strain of rose and pink shades with large ruffled, shallow, open throated flowers freely produced on strong growing plants.....1/64 oz., $1.50; 1/32 oz., $2.75; 1/16 oz., $5.00	.75	....
Ruffled Monsters in mixture.....1/64 oz., $1.20; 1/32 oz., $2.00; 1/16 oz., $3.60	.50	....

LARGE SINGLE FRINGED

(Flowers 3 to 4 inches across)

Blushing Maid. The flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant single Petunias.....1/64 oz., $1.50	.50	....
Dainty Lady. The plants are neat, compact, semi-dwarf and free flowering, bearing generous quantities of medium sized, delicately fringed dark cream colored flowers.....1/64 oz., $1.50	.50	....
Golden Jubilee. It has finely fringed and delicately crinkled petals of bright carmine, tinged with scarlet, with a golden throat with light bronze colored markings. Flowers are 3½ in. in diameter and the plants very free blooming. 1/32 oz., $3.00; 1/64 oz., $1.65	.50	....
Royal Beauty (Marine). The most beautiful of all blue purple Petunias....1/64 oz., $1.50; 1/32 oz., $2.75	.50	....
Scarlet Beauty. Bright scarlet. Good sized, well fringed beautiful flower.....1/64 oz., $1.50	.50	....

PETUNIA Vaughan's Dwarf California Giants Improved

LARGE SINGLE FRINGED—Continued

	Trade pkt.	Oz.
Theodosia. Re-selected. Large flowered, fringed, rosy pink with a clearly defined, golden throat. Fine for window boxes.....1/32 oz., $2.50; 1/64 oz., $1.40;	$0.50	....
White Beauty. White fringed, 1/32 oz., $2.75..... 1/64 oz., $1.50.....	.50	....
Fluffy Ruffles. In our opinion, the very best strain available, finely fringed and ruffled; mixed colors, about 75% ruffled.....1/32 oz., $1.40; 1/16 oz., $2.50	.50	....

LARGE SINGLE PLAIN EDGED

(Flowers 3 to 4 inches across)

Blue Beauty. A large-flowering Petunia of clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering.....1/32 oz., $2.50; 1/64 oz., $1.40	.50	....
Burgundy. Large-flowered, 3½-inch blooms, shades of purple or carmine with white throat and tube with violet veins.....1/64 oz., $1.00	.50	....

Vaughan's Best Mixture. Large-flowering single sorts. This mixture is made up by ourselves from all the best single Petunias both fringed and plain-edged, and will give the most satisfactory results. Trade pkt., 50c; 1/64 oz., $1.00; 1/32 oz., $1.80; 1/16 oz., $3.20.

Petunias Continued

Large Single Plain Edged

	Trade pkt.	Oz.
Dwarf Elk's Pride. Velvety violet. Customers will find our strain vastly superior to quality usually offered. It is really "re-selected"..... 1/64 oz., $1.40; 1/32 oz., $2.50; 1/16 oz., $4.50	$0.50	....
Dwarf Pink Glory. Compact habit, pure flame rose-pink..... 1/32 oz., $2.00	.50	....
Giant Flaming Velvet. Vivid velvety blood-red, comes 100% true. 1/64 oz., $1.40.....	.50	....
White Cloud. 12 in. A great favorite on account of its dwarf compact habit..... 1/64 oz., $1.00; 1/32 oz., $1.75; 1/16 oz., $3.25	.50	....
Snow Storm. Flowers are the purest white and the uniformity of the dwarf compact growth is marvelous. We think this is one of the best large-flowered single white..... 1/16 oz., $5.25; 1/32 oz., $3.00; 1/64 oz., $1.75	.75	....

LARGE-FLOWERING DWARF (Erfurt strain)

	Trade pkt.	Oz.
Gaiety. Plants are bushy, 8 to 12 in. high, and are covered with large, daintily fringed rose and white blooms..... 1/32 oz., $2.75; 1/64 oz., $1.50	$0.50	....
Lace Veil. 12 in. Large pure white flowers with fringed petals many waved.....	.50	....
Setting Sun. 12 in. Compact bushes, brilliant rose-pink fringed flowers, the very best of its color..... 1/64 oz., $1.50; 1/32 oz., $2.75	.50	....
Dwarf Grandiflora Ruffled Mixed. The above and others. This is fine for combinations. 1/32 oz., $1.40; 1/16 oz., $2.50.....	.50	....

BALCONY PETUNIAS

The strong branching growth makes this type especially suitable for window or porch boxes and hanging baskets.

	Trade pkt.	Oz.
Black Prince. A wonderful bedding variety, color of deep rich velvety red. Free bloomer. Similar to Flaming Velvet, but richer in color and approximately 100% true.... 1/8 oz., $1.00; 1/4 oz., $1.75	$0.35	....
Blue. Velvety violet blue.. 1/8 oz., 90c; 1/4 oz., $1.65	.35	....
Cornflower Blue (Blue Wonder). Several shades lighter than the regular Balcony Blue..... 1/8 oz.. 90c; 1/4 oz., $1.65	.35	....
Red..... 1/8 oz., 75c; 1/4 oz., $1.35	.35	....
Rose..... 1/8 oz., 75c; 1/4 oz., $1.35	.35	....
Rosy Morn. Rose with white throat.... 1/8 oz., 75c	.35	....
Star of California. Violet shaded crimson, white blotches ..... 1/8 oz., 75c; 1/4 oz., $1.35	.35	....
White..... 1/8 oz., 75c; 1/4 oz., $1.35	.35	....
Balcony Mixed, the above. 1/8 oz., 75c; 1/4 oz., $1.35	.35	....

SINGLE SMALL-FLOWERED SORTS

Blue King. Bright violet blue..... 1/4 oz., 50c	.25	$1 80
Flaming Velvet. Rich brilliant velvety blood-red or crimson flower..... 1/8 oz., 80c; 1/4 oz., $1.40	.35	5.00
General Dodds. Velvety red..... 1/4 oz., 50c	.25	1.80
Howard's Star. Improved; reselected.....1/4 oz., 90c	.35	3.20
Radiance. A cerise-rose with underlying salmon. The throat is golden yellow below where the bloom starts to flare..... 1/4 oz. ,90c	.35	3.20
Topaz Rose. Fiery rose suffused gold, throat topaz. ..... 1/4 oz., 90c	.35	3.20
White King. Snowy clear white..... 1/4 oz., 60c	.25	2.00
De Luxe Bedding Mixture..... 1/4 oz., 60c	.25	2.20

PETUNIA Rosy Morn Select

SINGLE SMALL-FLOWERED DWARF SORTS

	Trade pkt.	Oz.
Admiral. Extra reselected. Pot grown seed. This is the best dwarf clear blue Petunia, of good size, and even compact growth ..... 1/64 oz., $1.60; 1/32 oz., $3.00; 1/16 oz., $5.50; 1/4 oz., $20.00	$0.75	....
Blue Ball. Early flowering velvety violet blue. Several shades lighter than Blue Bird. Dwarf and compact growth. One of the best ever offered.... ..... 1/4 oz., $1.30; 1/8 oz., 70c	.35	$4.50
Blue Bird. Deep violet, extra fine..... 1/4 oz., 80c	.25	2.80
Bright Eyes. Covered with small 1 1/2 in. flowers of soft pink with white throat... 1/16 oz., 90c; 1/8 oz., $1.60	.50	....
Cheerful. The clear salmon pink flowers have a deeper rose veining toward the throat. Growth is densely compact and the plants are studded from early summer until frost with flowers 2 1/2 in. across..... ..... 1/16 oz., 90c; 1/8 oz., $1.60; 1/4 oz , $3.00	.50	....
Celestial Rose Improved. Definitely superior to the regular Celestial Rose, slightly dwarfer in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item..... ..... 1/4 oz., $1.75; 1/8 oz., $1.00	.50	6.00
Cream Star. Flowers grow 2 1/4 in. across and are shaped like five-pointed stars; soft creamy white deepening towards the throat to a bright golden yellow..... 1/4 oz., $2.00; 1/8 oz., $1.10	.50	....
First Lady. A color of light pink. The individual flower measures over 2 1/2 inches across; very free flowering. Strong sun cannot burn the beautiful color..... 1/16 oz., $1.25; 1/8 oz., $2.00; 1/4 oz.; $3.75	.35	.....
Glow. A dwarf bushy plant covered with flowers 2 1/8 in. across of a dazzling carmine rose. The richness of color excels all other existing varieties of a similar type. 1/16 oz., $1.25; 1/8 oz., $2.20; 1/4 oz., $4.00	.50	.....
Heavenly Blue. Reselected... 1/8 oz., 90c; 1/4 oz., $1.50	.35	5.00
Igloo. The small, 1 1/2 inch, creamy white single flowers with yellowish throats cover the plants in a sheet of bloom 12 to 15 in..... 1/8 oz., $1.10	.50	....

PETUNIA White Perfection

Petunias, Continued

Single Small-Flowered Dwarf Sorts—

	Trade pkt.	Oz.
King Henry (Dwarf Flaming Velvet). Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit..... 1/32 oz., $1.30; 1/16 oz., $2.50; 1/8 oz., $4.50	$0.50	....
Martha Washington. Flowers frilled and ruffled, 3 in. in diameter. Blush pink veined rich wine-red, deepening at throat, which is a dark violet. 9 in.....	.50	....
Northern Star. Medium sized violet blooms, pure white star.....	.50	....
Peach Red. Deep salmon with light reddish suffusion. .....1/16 oz., 75c; 1/8 oz., $1.25	.35	....
Rose of Heaven Select. A brilliant rose-pink..... .....1/8 oz., 75c; 1/4 oz., $1.40	.50	$5.00
Rosy Morn. Select. Pink with white throat..... .....1/4 oz., 75c	.35	2.80
Rose Queen Improved. Intense rose.....1/8 oz., $1.00	.50	....
Ruby Red, Ruby.....1/8 oz., $1.00	.50	....
Snow Queen. Compact in growth with abundance of snow-white flowers.....1/4 oz., $1.00	.35	3.60
Sutton's Blue Bedder. Midblue.....1/4 oz., $1.00	.35	3.60
Topaz Queen. Deep scarlet rose, free flowering..... .....1/8 oz., $1.00; 1/4 oz., $1.75	.35	....
Twinkles. Masses of small, brilliant rose flowers with well-defined pure white star.....1/4 oz., 70c	.25	2.40
Windmiller Pink (Sunrise). The 2 inch flowers have slightly frilled edges and are brilliant rose, with a flush of scarlet radiating from a small yellow throat. 15-18 in.....1,000 seeds	.50	....
White Perfection. This is one of the best white Petunias in existence. They are compact in growth with abundant snow-white flowers, which profusely cover the plants. The individual flower measures about two inches across.....1/8 oz., 65c; 1/4 oz., $1.20	.35	4.00
Vaughan's Special Dwarf Mixture. Small flowering sorts.....1/4 oz., 75c	.35	2.80
Miniature. 10 in. A new strain of dwarf compact miniature sorts.		
White Gem.....	.50	....

Double Petunias

DOUBLE LARGE-FLOWERING

	Trade pkt.	Oz.
Super Strain Giant Double Fringed Mixed. Producing about 30% full of beautiful fringed doubles. Variation of color ranges from soft salmon to deep pink, copper red, light red and a wide range of variegated colors. Size of flowers from 3 to 5 inches in diameter.....1/2 Trade pkt., $1.25	$2.00	....
Colossal Shades of Rose. Winner of All America Award for 1946. The first Giant All-Double Petunia produced in America. These giant double blooms are up to 5 inches or more across on vigorous compact plants, and are especially valuable for pot plants. This blend of colors comes in rich rose shades from salmon-pink through rosy-pink to deep rosy-mauve. Start seed early, grow cool near the glass and give plenty of room. These will make fine 4 to 5-inch pot plants for Easter, Mothers' day and spring combinations. Trade Pkt., 500 seeds, $3.00. Net price.		

Sorry no All-Double Dwarf Victorious separate colors or mixed this year.

DOUBLE SMALL-FLOWERING

	Trade pkt.	Oz.
All-Double America. America is the all double type, of medium size, 100 percent carnation-flowered, and rose-pink in color. It supersedes the Double Rosy Morn with same color and growth. America Petunia is a hybrida nana, an abundant bloomer from early summer to frosts; for bedding and cutting. Uniform and true.....1/2 Trade pkt., $1.20; 1/64 oz., $7.50	$2.00	....
Rosy Morn. Superseded by America which is 100% Carnation Flowered and of same color and growth.		

Portulaca—Moss Rose

Single large-flowering sorts, mixed.....1/4 oz., 70c	.20	$2.40
Single Jewel. No one who has in mind the usual portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring.....1/8 oz., $1.00	.50	....
Double sorts, finest mixed.....1/4 oz., $1.00	.30	3.50
Phacelia Campanularia. Gentian-blue, white anthers. 6 in.....	.20	.80
Pheasant's Eye Pink. See Dianthus Plumarius in Perennial Pages.		
Pyrethrum Parthenifolium Aureum (Golden Feather).....1/4 oz., 50c	.20	1.60

PORTULACA Single Jewel

Choice Primulas for Florists

PRIMULA Obconica Gigantea Wyaston Wonder

Primula Obconica

	Trade pkt.
Grandiflora Avalanche. White....½ oz., $4.25; ¼ oz., $2.25	$1.25
Appleblossom. Pink	1.25
Better Days. Deep carmine-red. Very large-flowering. The compact, well branched growth is very symmetrical and the mass of flower heads shows evenly above the dark green foliage, on strong stems..½ oz., $4.25; ¼ oz., $2.25	1.25
Sky-Blue (Konigsee). Extra-large flowers ....½ oz., $4.25; ¼ oz., $2.25	1.25
Fasbender Red. Flowers rich deep red of enormous size. Outstanding variety.....½ oz., $4.25; ¼ oz., $2.25	1.25
Gigantea Wyaston Wonder. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant	1.25
Lachsrosa. A beautiful salmon-rose....½ oz., $4.25; ¼ oz., $2.25	1.25
Mohnstein's Dark Red.....½ oz., $4.25; ¼ oz., $2.25	1.25
Mueller's (Berlin) Rose.....½ oz., $4.25; ¼ oz., $2.25	1.25
Orchid Lavender New. Here is a variety which will sell on sight. The color is a superb art shade of true orchid-lavender. The trusses are of enormous size, composed of individual blossoms which will average two and one-half inches in diameter	1.25
Perle van Niederrhein. Strong growing, large flowered and free blooming scarlet red	1.25
Mixed, many colors.....½ oz., $4.25; ¼ oz., $2.25	1.25

Primula Chinese Giant

Chiswick Red Improved. Red.....200 seeds	.80
Covent Garden White..... 250 Seeds, $1.60; 100 seeds	.75
Dazzler. A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting.....200 seeds	1.25
Giant Pink. Extremely large petals of great substance.....200 seeds	.80
Giant Salmon.....100 seeds	.80

CHINESE GIANT—Continued	Trade pkt.
Queen Mary. Rose-pink.....100 seeds	$0.80
True Blue.....100 seeds	.80
Vaughan's Special Mixture .....150 seeds	.80
Giant Mixed. Includes this year a number of new shades.....100 seeds	.80

Primula Chinensis Stellata

This type is indispensable for general decorative work. The plants are very floriferous and bloom for a long period. It is a good keeper, the flowers remain fresh in water for many days.

Giant Star Mixed. 200 seeds, 80c.

Ericksson's Malacoides (Baby Primrose)

(ORIGINATOR'S SEED)

Recent improvements in this Baby Primrose class have made it indispensable for Florist's use. Seed sown in May or June will produce large plants for Christmas. September sown seed will produce nice plants for Easter and Mother's Day.

RIVERSIDE STRAIN

This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. About two weeks later in blooming. This type does not "crop" in and gives a longer period in which to sell plants.

Glory of Riverside Improved. A true rose pink, free bloomer with large flowers and robust grower.

Lilac Beauty. Pure light lilac, 100% even color when blooming and a delight to work in combinations.

Peachblossom. Deep peachblossom pink.

Each of the above: 500 seeds, $1.25; 2,000 seeds, $4.00; 6,000 seeds, $10.00.

Eriksson's Special Mixture. 800 seeds, $1.25; 2,000 seeds, $3.00; 6,000 seeds, $8.00; ½ oz., $10.00.

New Baby Improved. Glowing deep pink. 800 seeds, $1.25; 2,000 seeds, $3.00; 6,000 seeds, $8.00; ½ oz., $10.00.

Mrs. Ericksson of Riverside. A glowing rose-red, a very strong grower with heavy flower stems and stiff foliage; large flowers in heavy clusters of medium height. It is the most outstanding new variety. Trade pkt., (500 seeds), $1.25.

Giant Pure White, 500 seeds, $1.25; 2,000 seeds, $4.00; 6,000 seeds, $6.00.

New Giant Malacoides

Double Fairy Jewels. The color is a lovely rich rose pink, slightly deeper in the center than the outer or older petals. The strain comes 90% to 95% double from seed. Trade Packet (about 1,000 seeds), $1.50.

Enchantress. A beautiful, soft salmon rose. The well rounded, beautifully formed flowers are ⅞ to 1 inch in diameter and produced in unbelievable profusion. A well grown plant will have 50 or more heavy stemmed spikes. Trade Packet (about 1,000 seeds), $1.50.

Snow Flake. Has flowers of the purest shimmering snow white one can imagine. Its beautifully formed 1-inch florets adorn the stately stems like glistening jewels sharply highlighted by the lush green foliage. Trade Packet (about 1,000 seeds), $1.00.

Mixture. A mixture of giant varieties. Trade Packet (about 1,000 seeds), $1.00.

Malacoides Various Sorts

	Trade pkt.
Giant Crimson.....1000 seeds	$1.25
Dawkins Carmine Pink.....1000 seeds	1.25
Porcelain. Is a very compact plant of a very dainty pale blue colour.....800 seeds	1.25
Princess Mary. Deep rose pink.....¼ oz., $2.00; 1000 seeds	1.00
Salmon Rose.....¼ oz., $2.00; 1000 seeds	1.00

Ricinus—Castor Beans

	Trade pkt.	Oz.
Crimson Spire. Large purplish leaves changing to bronzy green. The stems, stalks and veins are rich red. The seed spikes and seed pods are brilliant rosy crimson. Most showy of all. 6 ft	....	$0.35
Sanguineus. Red leaves. 7 ft	....	.35
Mixed. Many kinds	....	.25
Zanzibarensis Enormis. Carmine seeds. 7 ft.	....	.25
Zanzibarensis Mixed	....	.25

Rudbeckia Indian Maid. 4 in. flowers, pronounced crown, rich brown center and golden tips. Some few semi-double or double rows of petals. Sown March 1, bloom in 3½ months. Excellent for cutting... ¼ oz., 60c $0.35 2.00

Kelvedon Star. The flowers have dark brown central discs, surrounded by a shining mahogany zone on petals of deep orange. ¼ oz., 60c .25 2.00

Kelvedon Star Double. ¼ oz., 60c .25 2.00

My Joy (Giant Black-Eyed Susan). Large orange-yellow flowers, dark zone. ¼ oz., 40c .25 1.40

Starlight. Large-flowered, semi-double. Coloring is from primrose yellow to mahogany and bicolors with mahogany centers. ¼ oz., 90c .35 3.20

See also Perennials.

Sanvitalia (Creeping Zinnia) Procumbens Fl. Pl. Double yellow, dwarf, fine for edging. ¼ oz., 50c .25 1.70

Saponaria Vaccaria Rose. Sometimes called Pink Gypsophila. Light graceful sprays of glistening flowers produced in greatest profusion. ¼ lb., 80c .... .25

SALPIGLOSSIS Vaughan's Special Mixture

SALVIA Splendens America

Salvia Splendens

Sow seed in flats and give bottom heat, as this helps germination of seed considerably.

	Trade pkt.	Oz.
America (Globe of Fire). A favorite with many growers. Plants grow about 18 inches high, in uniform dense globe-shaped bushes. ¼ oz., $1.35	$0.50	$4.50
Blaze of Fire. Orange scarlet. The earliest of all, dwarf early flowering. ¼ oz., $2.00	.75	7.00
Harbinger. 16 in. Very early, scarlet. ¼ oz., $1.40	.50	5.00
Clara Bedman (Bonfire). Erect habit—the old standby ¼ oz., $1.35	.50	4.50
Maroon Prince. Plum color. 24 inches	.50	
Vaughan's Masterpiece. The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit. ⅛ oz., $1.25; ¼ oz., $2.25	.75	8.00
St. John's Fire. Blooms very early but remains in perfect condition until frost. Grows only 10 inches tall when in full bloom in August. The bright scarlet spikes stand densely and rigidly upright on the uniform and compact plants. ⅛ oz., $1.25; ¼ oz., $2.25	.75	8.00
Zurich. Early, 2 ft. ¼ oz., $1.25	.50	4.40
Type (Scarlet Sage). 26 in. ¼ oz., 1.00	.40	3.50

Salvia. Farinacea Blue Bedder. Compact plant, deep blue flowers effective in mass planting. The long graceful stems are useful for cutting. ¼ oz., $1.10 .35 3.60

See also Perennial Pages.

Salpiglossis

Excellent summer-flowering showy annuals that are easily grown and fine for cutting. Sow seed where you want them to bloom, as they resent transplanting. Seed sown in greenhouse in January will bloom in May.

	Trade pkt.	Oz.
Vaughan's Special Mixture. Made from named sorts and others. ¼ oz., 35c;	$0.20	$1.10
Giant-Flowered Dwarf Mixed. These have a compact branching habit, with individual flowers half again as large as the Emperor type. Are ideally suited for bedding purposes. ¼ oz., 45c	.25	1.40
Giant Flowered. Tall. Mixed. ¼ oz., 45c	.25	1.40

Shamrock. ¼ oz., 35c .20 1.20

Snapdragon. See Antirrhinum.

SCHIZANTHUS Vaughan's Masterpiece

Scabiosa Double, Large Flowering (Pincushion Flower)

		Trade pkt.	Oz.
Azure Fairy. Azure-blue. A splendid cut flower	¼ oz., 25c	$0.15	$0.80
Black Prince. Black-purple	¼ oz., 25c	.15	.80
Blue Moon. Deep lavender-blue	¼ oz., 65c	.25	2.20
Blue Cockade. Deep blue	¼ oz., 25c	.15	.80
Cherry-Red	¼ oz., 25c	.15	.80
Fire King. Rosy-crimson	¼ oz., 25c	.15	.80
Loveliness. Soft delicate salmon-rose color. Delightfully fragrant	¼ oz., 25c	.15	.80
Rosette. Beautiful shade of deep rose heavily suffused with salmon	¼ oz., 25c	.15	.80
Salmon Beauty. A pure salmon in color with huge flowers and with great vigor of growth	¼ oz., 25c	.15	.80
Shasta. Pure white of enormous size	¼ oz., 25c	.15	.80
Vaughan's Special Mixture	¼ oz., 35c	.20	1.20
Dwarf. Heavenly blue	¼ oz., 55c	.25	2.00
Peace. The white companion to Heavenly Blue. Flowers 1¾ inches across, on 6 to 8-inch stems	¼ oz., 55c	.25	2.00
Mixed Dwarf. 8 in.	¼ oz., 50c	.25	1.60

Schizanthus

A January sowing will make choice 3 in. plants for spring combinations. Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

		Trade pkt.	Oz.
Super Giants. Exhibition strain mixed		$1.00	....
Vaughan's Dwarf Masterpiece. The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well balanced from light pink and rose, to a very pleasing dark violet, all with conspicuous blotches	1/16 oz., $1.00; ⅛ oz., $1.65	.50	.....
Vaughan's Excelsior Hybrids. A choice strain with very large flowers in an excellent blend of colors. A splendid cut flower item	⅛ oz., $1.10	.50	....
Bridal Veil. Pure white, excellent	⅛ oz., $1.20	.75	....
Dr. Badger's Hybrids. Is compact, grows 8-10 in. high. Brilliant colors	¼ oz., $1.10	.35	....
Pansy-flowered. The large pansy-flowered blooms are remarkably substantial, while the rich self-colors are extremely bright and attractive	⅛ oz., $1.00	.35	....
Wisetonensis Monarch Strain. The finest strain of large flowered hybrids	⅛ oz., $1.25	.50	....

SCABIOSA Vaughan's Special Mixture

Solanum

ORNAMENTAL PEPPER, "CHRISTMAS CHERRY"

		Trade pkt.	Oz.
Bird's Eye Improved. The fruits are larger and as freely produced as the ordinary. They come on white, then turn blue and finally red	¼ oz., 90c	$0.35	$3.20
Chameleon		.35	....
Christmas Cherry Improved		.35	....
Cleveland Red (Cherry)	¼ oz., 75c	.35	....
Hlavacek's "Masterpiece." More compact than the old type and produces cherries much more freely. Outstanding		.50	
Integrifolium (Love Apple). The species Integrifolium produces fruit about an inch or more in diameter that becomes a most attractive scarlet along in Sept. We note some of it on our Chicago market every Fall that apparently is shipped in from the South. It sells well. It must be cut down before frost hits it and stored cool and dry until used. The start and planting out of the crop are handled as are tomatoes, for it seems to be a warm temperature plant	⅛ oz., $1.50	.50	
Miniature Bell. The red, green and white bell shaped fruits are attractive against the dainty foliage		.35	....
Patterson Variety. A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller-sized pot specimens	¼ oz., 75c	.35	2.80
Variegated Leaved		.35	....

Sweet Peas Early-Flowering Spencer

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, 10c. Sweet Peas should be inoculated with Nitragin before planting.

Any of the following, except where noted otherwise, ½ oz., 30c; 1 oz., 50c; ¼ lb., $1.50; lb., $5.50.

BLUE, LAVENDER AND PURPLE

Amethyst. An early-flowering "Royal Purple." Fragrant.

Ball Blue Supreme. Much larger flowered than Mrs. Hoover, a long stemmed heavy producer. ½ oz., 45c; 1 oz., 75c; 4 oz., $2.25; lb., $7.50.

Blue Bird. Violet blue. Fragrant.

★**Danube.** Large, ruffled blooms of a clear lavender-blue.

★**Harmony.** Most popular lavender, fragrant.

★**Mrs. Herbert Hoover.** Clear blue. Fragrant.

★**Tahoe.** Both the wavy standards and ruffled wings have the same delightful shade of mid-blue.

★**Triumph.** Deep lilac mauve.

★**Twilight.** A medium clear lavender, very much like Harmony, and will soon supersede Harmony with most growers.

ORANGE

★**Ball Orange Improved.**

Fiesta. Brilliant orange cerise, definitely sunproof.

★**Treasure Island.** A sparkling golden orange. Very large flowered and semi-duplexed.

PINK, ROSE AND SALMON

American Beauty. A rich crimson rose on white ground.

★**Apollo.** A soft salmon-cerise. Fine spring bloomer.

★**Ball Rose Improved.** Extra rich deep rose.

Ball Rose Supreme. Large wavy flowers of bright silvery rose pink.

Ball Rose Queen. Extra long stemmed and large flowered clear rose pink.

★**Bridesmaid.** Deep silvery pink with stems unusually long.

★**Boon.** Deep salmon-pink on light cream ground.

★**Daphne.** A soft salmon-pink on a cream ground.

Jeanne Mamitsch. Striking pink, shading off to deepest pink.

★**Laddie Improved.** An enormous rose-pink. Fragrant.

★**Mrs. R. H. Holscher.** Rose-pink.

New Ball Rose. Bright glowing rose. Very free flowering, but shorter vines make it valuable where headroom is limited. ½ oz,. 45c; oz., 75c; ¼ lb., $2.25; lb., $7.50.

★**Sequoia.** A rich golden salmon-cerise pea.

WHITE AND CREAM

Ball White. Large flowered, long stemmed, pure white.

Cascade. Very large flowered white, white-seeded.

★**Hope.** A mammoth-flowered black-seeded pure white.

★**Snow Queen.** Pure white, black-seeded. Sow to follow "mums."

★**White Champion.** Best early-flowering white-seeded white.

★**White Harmony.** A standard black-seeded white.

Vaughan's Special Formula Mixture, Early Flowering Spencers from named sorts. ½ oz., 25c; oz., 45c; ¼ lb., $1.35; lb., $5.00.

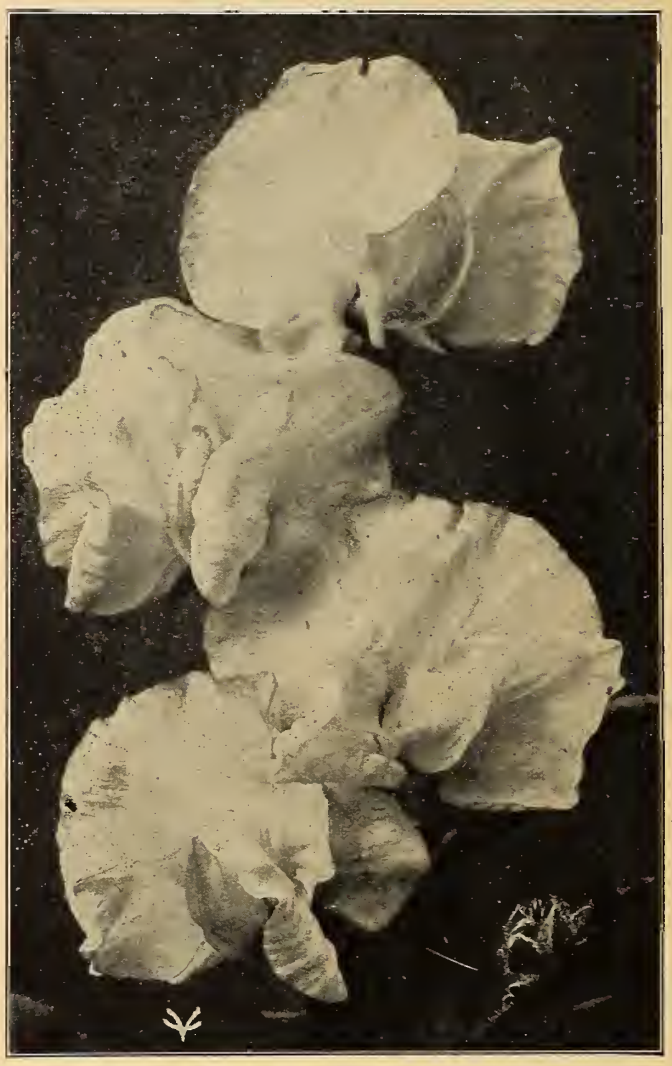
WHOLESALE FLOWER GROWER
1307 Lee Street
Des Plaines, Illinois, Sept. 6th, 1945

Dear Sirs:

I have grown White Cascade Sweet Peas for the past several years and consider it one of the best White Peas I have ever grown.

It is pure white in color, a good winter producer and maintains a good length of stem throughout the growing season.

SIDNEY G. WIFFIN



Type of Our Sweet Peas, Early Flowering Spencer

SCARLET AND MAROON

Bacchus. Mammoth flowered duplex. Rich red maroon.

Grenadier. A glowing poppy-scarlet.

Pride. Pure cerise large flowers on long stems.

Spring-Flowering Intermediate

Intermediate in season between Early and Standard Spencers this new type of Sweet Pea, possessing the characteristic of heat resistance, maintains remarkable vigor, length of stems, size of flower and productivity throughout the growing season, both under glass and out of doors.

Seed of the spring-flowering type should be sown from the middle or end of Oct. to Feb. in the greenhouse for flowering in spring and summer.

Black Seeded White Improved. Outstanding pure white frilled flower.

Blue. Clear medium blue.

Lavender.

Light Blue. A delicate shade of silver blue.

Light Lavender. Rich clear lavender.

Mauve.

Rose-Pink.

Each of above.... ½ oz., 35c; oz., 65c; ¼ lb., $2.00; lb., $6.50.

Mixed All Colors. ½ oz., 30c; oz., 55c; ¼ lb., $1.65; lb., $5.50.

TYPE OF SWEET PEAS Summer Flowering Spencer

Sweet Peas Summer Flowering

Any of the following: oz., 25c; ¼ lb., 80c; lb., $2.80.

Ambition. Rich, deep lavender.
Ascot. Bright pink.
Avalanche. Glistening white.
Bonnie Briar. Large rose-pink.
Chinese Blue. Rich deep blue.
Crimson King. Rich deep clear crimson.
Ecstasy. Blush pink.
Flag Ship. Deep navy blue flowers of large size, artistically placed on long stems.
Fluffy Ruffles. Rich rose shaded salmon and cream, duplexed.
Gigantic. Largest and best black-seeded white.
Gleneagles. Large lavender.
Headlight. Orange-scarlet, sunproof.
Highlander. Pure lavender.
King White. Gigantic flowers of pure white.
Mrs. Tom Jones. Bright blue.
Pinkie. Rose-pink.
Powers Court. Lavender.
Prince of Orange. Deep orange.
Red Supreme. New deep crimson.
Ruffled Mixed.
Tangerine Improved. Glowing orange.
Warrior. A fine maroon.
Welcome. Dazzling scarlet.
Vaughan's Florists' Mixture of Summer Spencer Varieties. Oz., 20c; ¼ lb., 65c; lb., $2.20.

STRAWBERRY Baron Solemacher

STRAWBERRY BARON SOLEMACHER

A good Mothers' Day item of the Alpine (non-runner) type. This can be had in fruit (and flower) on Mothers' Day, if sown in January. 3 plants in a 5 inch Azalea pot is the way to grow it. The plants will produce berries all Summer and Fall. Trade Packet (about 1,000 seeds) $1.00.

Statice

Attractive annuals of easy culture that can be used as fresh or everlasting flowers.

Sinuata. Kampf Improved variety. Tall, brilliant deep blue
Lavender Queen
Market Growers. Deep Blue
Pale Violet with yellow center
White, Pure
Rosea Superba
Pastel shades mixed
New colors mixed

		Trade pkt.	Oz.
Each of the above	¼ lb., $1.60; lb., $4.80	$0.15	$0.45
Bonduelli. Golden yellow	¼ lb., $1.40	.15	.40
Suworowii. Russian or Rat tail. Flowers bright rose color. Can be grown in cool house. 30 inch.	¼ oz., 40c	.15	1.20

See also Perennial pages.

Stevia Serrata. White, fine cut flower		.35	....

Tahoka Daisy

An unusually beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are many-rayed, with long slender petals of pure lavender-blue, center deep yellow	¼ oz., 65c	.25	2.20
Texas Queen Anne's Lace. An improved Wild Carrot. Will dye easily	¼ oz., 30c	.20	1.00
Thunbergia. Mixed. Fine climber for window boxes and hanging baskets	¼ oz., 45c	.25	1.40
Gibsoni. A lovely graceful climber for trellis work in greenhouses, or may be flowered outdoors in summer in mild climates. It has glistening green ivy-shaped foliage and flowers of most brilliant glowing orange. 100 seeds, $1.00; 1000 seeds, $6.00		...	....

STOCKS NON-BRANCHING COLUMN SILVERY LILAC

Stocks

Our Stocks are produced by the most careful growers and are equal to the best in the market.

Varieties preceded by star (★) are the most popular colors.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by Prof. S. L. Emsweller, will be included in all orders for Column Stock seed.

GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods"
Blue "Pacific"
Chamois "Santa Barbara"
Lavender "Tahoe"
Pink "Monterey"
Rose "Yosemite"
Velvety Violet "Mojave"
White "Santa Maria"
Yellow "Golden Gate"

Each of the above, trade pkt., 35c; ⅛ oz., 70c; ¼ oz., $1.25; oz., $4.40.

Giants of California Mixed. Trade pkt., 35c; ⅛ oz., 65c; ¼ oz., $1.20; oz., $4.00.

STOCKS—Continued

IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2½ ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Buttercup. Deep golden yellow
★Chamois
Dark Blue
Elk's Pride. Royal purple.
Flesh. Pale coral pink.
Fiery Blood-Red
Golden Rose
★Lavender
★Lilac
★Rose
★Shasta. Vigorous, glistening white.

	Trade pkt.	Oz.
Each of the above.....⅛ oz., 65c; ¼ oz., $1.10	$0.35	$3.40
Giant Bismarck, Mixed. All colors...¼ oz., $1.10	.25	3.40

"NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2½ ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety

American Beauty. Deep American Beauty Rose.
★Apricot (No. 20). Strong growing buff with a faint pink tinge and extra large flowered variety.
★Blue. Dark lilac blue.
★Chamois Pink. A warm rosy buff color.
Gardenia. Flowers of the purest white. About 10 days later than White No. 16, also taller. Needs disbudding.
Gold Standard. Creamy ivory yellow.
Lilac Lavender. Same as Silvery Lilac.
★Pink (No. 11). Light rose-pink, exact shade of Bismarck Rose.
★Rose Pink (No. 14). A deep selection from No. 11; a rose-pink, not a deep heavy rose. Good market color. Long-stemmed, about ten days later than No. 11.
Purple.
Ruby (Illusion). Rich crimson red.
★Silvery Lilac. Lilac lavender.
★Supreme. Ball No. 22. Supremely fine in its rich silvery rose shading, with extra long stems and fine heavy spike.
★Vaughan White No. 1. We especially recommend this; in our judgment, the finest pure white Non-Branching Column Stock in existence.
White No. 16. Semi-tall pure white.
★Yellow Wonder. Best yellow.
Special Florist Mixed. Mixture of the best selling colors.
Each of above: ½ tr. pkt., 60c; (about 1200 seeds), $1.00; ¼ oz., $2.50; oz., $9.00.

EARLY COLONIAL.

Blooms earlier than other branching types, grows 30 to 36 in. tall. The individual florets are 2 inches across and they form clusters or spikes 15 inches long. The percentage of double runs about 70%.

Mayflower. Red rose.
Puritan. Pure white.
Priscilla. Silvery lavender.
Rose Standish. Bright rose.

Each, trade pkt., 50c.

DWARF LARGE-FLOWERING TEN WEEKS

Compact pyramidal growth, excellent for pots, bedding or combinations. Not desirable for cutting.

Blood-Red
Dark Blue
Lavender
Bright Pink
Deep Rose (Carmine pink)
White

	Trade pkt.	Oz.
Each of above.....¼ oz., 55c	$0.25	$2.00
Dwarf Large-Flowering. 10 weeks. Extra choice Mixed.....¼ oz., 55c	.25	2.00
Brompton or Winter Mixed. 1⅔ to 2 ft.....	.50	

FOR PORCH AND WINDOW BOXES

Ageratum Midget
Alyssum
Antirrhinum Dwarf
Begonia
Candytuft
Centaurea Jubilee Gem
Coleus
Convolvulus Dwarf
Cuphea Firefly
Heliotrope
Lantana
Lobelia
Marigold Dwarf
Geraniums
Dwarf Nasturtium
Pansy
Balcony Petunias
Single Dwarf Petunias
Thunbergia
Verbena
Vinca
Zinnia Small Sorts

	Trade pkt.	Oz.
Tigridia. Mixed. (Shell flower of Mexico.) Few flowers are more gorgeously colored or more beautiful. "Beauty for a day" is another name for soon after the bulbs form it sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north.....¼ oz., $1.20	$0.50	$4.00
Tithonia Avalon Earliest. The plants grow to seven feet or more. The big, long-stemmed blossoms range from orange topaz through tangerine to those with burnished oversheen of scarlet fire.....¼ oz., 50c	.25	1.80
Torenia Fournieri. Makes a fine pot plant for Mother's day sales. Also good in combination baskets. Flowers blue with dark blotches on lip. 12 in.....⅛ oz., $11.0	.50	....
Trachelium Coeruleum. Free-growing annual having large cloud-like heads of tiny blue flowers resembling Gypsophila. 18 in.....⅛ oz., $1.00	.35	....

Venidium

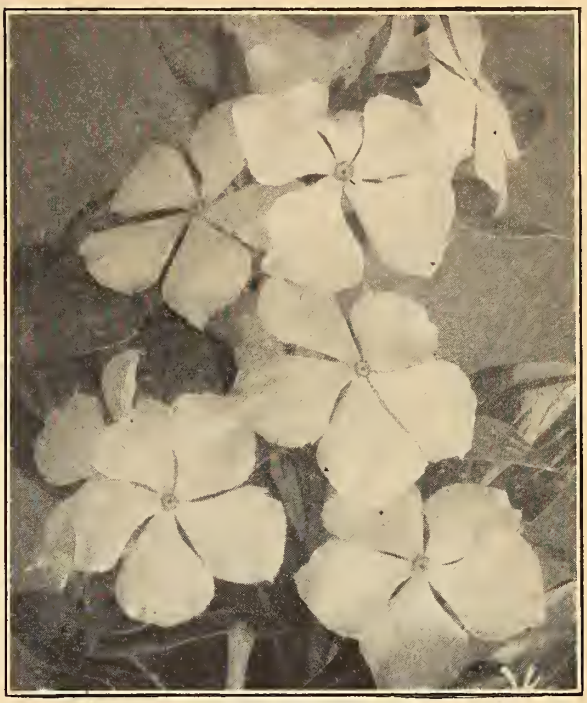
Fastuosum. 2 to 3 ft. Above the grayish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across.....¼ oz., 80c	.35	....
Fastuosum Hybrids. 2-3 ft. A race with a remarkable range of colors, from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals..¼ oz., 90c	.35	....

Vinca Rosea

These are slow growers and must be started early. They are splendid as bedding plants or for combinations. They bloom all summer until frost and do well in either sun or partial shade. These should be in every florist's order for bedding plant seeds. Make good cut flowers.

	Trade pkt.	Oz.
Rosea. Pink, 1 ft.....¼ oz., 50c	$0.25	$1.80
Fl. Alba Oculata. White with pink eye. ¼ oz., 50c	.25	1.80
Alba Pura. Pure white.....¼ oz., 50c	.25	1.80
Delicata. Soft pink.....¼ oz., 50c	.25	1.80
Twinkles. Large flowers of an unusual soft blush pink with a bright red eye.....¼ oz., 50c	.25	1.80
Mixed.....¼ oz., 50c	.25	1.80

Virginia Stocks. Mixed. A splendid edging plant.	.25	.80
Nana Compacta. Mixed Dwarf bushes covered with bright flowers during the entire season. 8 in.....	.20	.60



VINCA ROSEA

	Trade pkt.	Oz.
Verbesina Encelioides. 3 ft. Large single butter-yellow daisies with irregular petals. Blooms continuously throughout the season and is an excellent cut flower.....¼ oz., 65c	$0.25	$2.20
Viscaria Oculata. Mixed.....¼ oz., 40c	.20	1.40
Blue Pearl. Pure deep lavender-blue without eye, erect growing.....¼ oz., 70c	.35	2.40
Nana compacta oculata. Mixed.....¼ oz., 70c	.35	2.40
Coerulea Blue Bouquet.....¼ oz., 70c	.35	2.40
Fiery Red. Flowers of brilliant red, plant is very dwarf and compact.....	.35	....
Xanthisma Texanum. Star of Texas. Flowers are light canary-yellow with a lighter colored center; single, daisy-like, with long, pointed petals. Stems are thin and strong, and although they are not very long, they are suitable for cutting. Quite hardy, does well in dry, open places.....	.35	....
Xeranthemum (Everlasting). Superbissimum (Pompon) mixed.....	.20	1.20
Zea Quadricolor Perfecta. Dwarf leaves striped with red, rose and yellow bands.....lb., $2.00	....	.15

BOOKS FOR FLORISTS

COMMERCIAL FLOWER FORCING. By Laurie and Kiplinger. Fourth Edition.

The object of this concise treatise is to cover the fundamentals involved in the growing of various flower crops used for commercial purposes and deal with them from the viewpoint of practical culture. The treatments recommended follow the routine practice of the better growers, supplemented by a vast volume of experimental work done under the experienced supervision of the authors. 49 illustrations. 598 pages.....$4.50

10,000 GARDEN QUESTIONS. F. F. Rockwell, editor.

Answered by 15 experts. Real questions from real amateurs, with brief, authoritative answers. Among them you will find the solutions to your problems . . . Helpful diagrams and illustrations supplement the text . . . A quick-action index places all the information at your finger tips. 23,000 gardeners asked the questions. The questions on which this brand new garden manual is built are bona fide inquiries received from real gardening amateurs all over the country. Their problems are your problems. The enormous scope covers the whole broad field of amateur gardening! 35 famous authorities answered the questions. 1467 pages. Hundreds of specially drawn illustrations.....$3.95

COMMERCIAL FLORICULTURE. By Fritz Bahr.

The book of books for the florist-growers, and now embracing, in addition to the wealth of material presented in the previous edition on the successful management of a retail grower's establishment, full information and advice on every advancement that has been made in recent years in this branch of the business, particularly in growing the various florist flowers, together with a full discussion of such new subjects as cloth houses, sash houses, electrical heating of hotbeds, sterilization of soils, effects of gas on plants, artificial light in the greenhouse, timing greenhouse crops, common plant enemies and their control, etc. Part I embraces The Retail Grower's Methods, while Part II consists of a Cultural Manual for Retail Growers in which explicit cultural directions are given covering well over 500 plants of commercial value to the grower. 646 pages, 6x9 in.; 308 illustrations. Cloth.....$5.50

PROPAGATION OF PLANTS. By Kains and McQuesten.

A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management.

In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and why of all processes. 569 pages.....$3.50

Verbenas

Gigantea Beauty of Oxford Hybrids. A beautiful giant hybrid raised from a cross between Verbena Luminosa and Beauty of Oxford. The color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed.

Alba. Very large, pure white.

Brightness. Bright rosy cerise scarlet large white eye, semi-compact.

Brilliant. Rich deep flame rose with medium sized white eye.

Cerise Queen. Salmon cerise.

Crimson Glow. A pure glowing crimson without an eye.

Etna. Geranium-red with a small creamy yellow eye.

Floradale Beauty. Beauty of Oxford type of large-flowered rose shades with salmon-rose predominating.

Lavender Glory. True lavender. Large flower umbels. Fragrant About 80% true.

Lucifer. Red.

Luminosa. Flame pink shading to softer shades of salmon pink and coral.

Rosea Stellata. Pink, white eye.

Royale. Royal blue with creamy eye.

Spectrum Red. Intense pure bright red without eye. Brighter and larger than Lucifer and comparable only to Etna without Etna's yellow eye.

Sutton's Giant Pink. Salmon pink.

Violacea Stellata. Violet, white eye.

	Trade pkt.	Oz.
Each of above except as noted otherwise.....¼ oz., 75c	$0.35	$2.60
Royal Bouquet Mixed. This variety has an upright growth on straight stems, making it a good cut flower sort and a symmetrical bedding plant. The flowers are very large in many charming colors; 15-18 in.....¼ oz., 85c	.35	2.80
Hybrida.		
Defiance. Brilliant scarlet.....¼ oz., 70c	.35	2.40
Vaughan's Best Mixed. This is unquestionably the best strain of Verbena seed in existence. It is composed of the best strains, all grown separately, and mixed in the right proportion. Trade pkt., 35c; ¼ oz., 75c; oz., $2.60.		

VERBENA Gigantea Type

Various Sorts

	Trade pkt.	Oz.
Bipinnatifida (Fern-leaved Verbena). The plants reach 18 in. in height by 2 ft. wide with great piles of ferny, feathery gray-green foliage covered with clusters of lavender-blue flowers. The flowers resemble sprays of lilac candytuft.....¼ oz., $1.00	$0.35	$3.50
Erinoides (Moss Verbena) Purple, 1 ft....¼ oz., 60c	.25	....
White .....¼ oz., 60c	.25	....
Venosa. Heliotrope blue, fine for bedding when combined with Alyssum; used extensively in the Chicago parks. 1 ft.....¼ oz., 50c	.25	1.60
Lilacina. Delicate lavender-blue.....¼ oz., 60c	.25	2.00
Lemon (Citriodora).....	.35	....

Zinnias

Zinnias are heat-loving plants and seed should not be sown until the ground and atmospheric conditions are warm. If grown in a sunny spot in well-fertilized soil and watered freely, the flowers will be more completely double. Nearly all will vary somewhat in trueness. Zinnia seed may be sown inside in February and March for cutting inside. Seed sown in April will bloom May 20 to June 10. Inside sown in May for inside cutting will bloom June 10 to 20.

	Trade pkt.	Oz.
All-Giant Indian Summer. A harmonious blend of dazzling brilliance without a trace of harshness.....Lb., $14.50; ¼ lb., $4.00; ¼ oz., 45c; ½ oz., 75c	$0.25	$1.25

DAHLIA-FLOWERED 2½ to 3 ft.

The plants grow tall, are well branched and the colors are very distinct and striking; the flowers are double and large size.

Canary Bird, primrose
Crimson Monarch, best red
Dream, deep lavender
Eldorado, rose on deep salmon
Exquisite, light rose, center rose
Golden Dawn, golden yellow
Golden State, rich orange
Illumination, deep rose
Luminosa, bright deep pink suffused with salmon
Meteor, darkest red
Oriole, orange and gold
Polar Bear, white
Royal Purple
Scarlet Flame, bright scarlet

	Trade pkt.	Oz.
Each of above.....¼ oz., 45c; ½ oz., 75c; ¼ lb., $4.00; lb., $14.50	$0.25	$1.25
Dahlia-Flowered, Gold Medal Hybrids. A superior mixture containing many new varieties.....¼ oz., 45c; ½ oz., 75c; 4 ozs., $4.00; lb., $14.50	.25	1.25

ZINNIA Dahlia Flowered

	Trade pkt.	Oz.
Super Crown of Gold Pastel Tints. Strictly a mixture of pastel tints and contains a wide color range. All the flowers carry the deep golden yellow base of the Crown of Gold type and the individual color at the top..lb., $14.50; ¼ lb. $4.00; ¼ oz., 45c; ½ oz., 75c	$0.25	$1.25

ZINNIA California Giants

ZINNIAS—Continued

CALIFORNIA GIANTS 3 to 4 ft.

They are larger than Colossal and a cross between that and the Dahlia-flowered types. They have smaller, flat centers, with more loosely placed petals. The petals are attractively imbricated.

Brightness. Bright, deep rose
Crimson Queen. Best crimson
Daffodil. Canary-yellow
Enchantress. Pink
Golden Queen. Golden Yellow
Grenadier. A very dark red
Lavender Gem.
Miss Willmott. Soft pink
Orange King. Orange scarlet
Pink Profusion. Shrimp pink
Purity. A clean pure white
Rose Queen. Deep rose
Salmon Queen
Scarlet Queen
Violet Queen. Dark violet

	Trade pkt.	Oz.
Each of the above.....lb., $13.50; ¼ lb., $3.60; ¼ oz., 40c; ½ oz., 65c	$0.25	$1.10
California Giants, Vaughan's Special Mixed. All colors..lb., $13.50; ¼ lb., $3.60; ¼ oz., 40c; ½ oz., 65c	.25	1.10

FANTASY 2½ to 3 ft.

The rounded flowers are composed of a mass of shaggy ray-like petals.

Orange Lady. Bright orange
Rosalie. Bright intense scarlet
Star Dust. Deep golden yellow
White Light. Pure white, excellent in flower arrangements
Wild Fire. Rich dazzling scarlet

	Trade pkt.	Oz.
Each of the above.....¼ oz., 40c	$0.25	$1.20
Fantasy mixed.....¼ oz., 40c	.25	1.20

Vaughan's Special Mixture of all Giant sorts including the cream of the Dahlia Flowered, California and other sorts, mixed.....¼ oz., 45c .25 1.25

LILLIPUT OR POMPON 1½ to 2 ft.

Flowers the size of large button type of Pompon "Mum."

Black Ruby, deep blackish maroon
Canary Yellow
Crimson
Dainty Gem. Dainty bicolor rose
Deep Flesh Bright pink
Golden Gem. Golden orange
Pastel Mixture
Purple
Rose Bud
Salmon-Rose. A lovely color
Scarlet Gem
Valencia. Burnt orange
White Gem

	Trade pkt.	Oz.
Each of above.....¼ oz., 35c;	$0.20	$1.00
Vaughan's Special Lilliput Mixture.....¼ oz., 35c;	.20	1.00

SCABIOSA FLOWERED Harmony Type

Plants 2½ to 3 ft., bearing numerous medium sized flowers, remarkably resembling the annual Scabiosa and Harmony Marigold.

	Trade pkt.	Oz.
Vaughan's Special Mixed, bright shades, including crimson, scarlet, orange, yellow, pink and white .....¼ oz., 50c	$0.25	$1.60

CUPID ZINNIAS 1 ft.

The Smallest of All

Compact plants about 1 ft. tall, consist of a large number of slender branches which give the plant a well rounded bushy habit. Each of the numerous upright stems bears a miniature flower which hardly exceeds 1 in. in diameter. Useful for corsage making.

Pixie. Bright yellow
Snowdrop. Pure clear white
Tiny Tim. Rich scarlet.

	Trade pkt.	Oz.
Each of the above.....¼ oz., 45c	$0.25	$1.40
Mixed.....¼ oz., 30c	.20	1.00

PUMILA FL. PL.

This is called the "Cut and Come Again" type.

Alba Plena. Snowball.
Coccinea Plena. Fireball.
Pinkie. Rose-pink.
Salmon-Rose. Remarkable shade, good for cut flowers.
Spun Gold. Delicately tinted butter-yellow.

	Trade pkt.	Oz.
Each of the above.....¼ oz., 30c	$0.20	$0.80
Vaughan's Special Pumila. Mixed. The above shades .....¼ oz., 30c; 4 ozs., $3.00	.20	.80
Sunshine tints..... ¼ oz., 50c; ¼ lb., $3.00	.20	.80

OTHER VARIETIES

Burpee's Super Giant. Largest of all Zinnias. 3 ft. Flowers are 5½ to 6½ inches across and of a wide diversity of colors and forms; some like Dahlia-flowered, others like Giants of California and still others with curled and twisted chrysanthemum-like blossoms. Rare and unusual shades.....¼ oz., 60c	.35	2.00
Chryanthemum Flowered Special Mixture. Strikingly different, with the petals attractively curled and quilled. Flowers of tremendous size, measuring up to 6 inches across and from 4 to 5 inches in depth on long stems. Pastel shades predominate. Some of the flowers are of the solid self color, while others contain combinations of 2 and 3 colors..¼ oz., 60c	.35	2.00
Linearis. The foliage is a neat, narrow leaf without the coarse appearance of the common garden Zinnia. The flowers are a beautiful orange-yellow color with a lemon-yellow stripe through each petal, single and about one inch in diameter. 1 ft. ¼ oz., 60c	.25	2.00
Mexicana (Haageana) Hybrida. Mexican Hybrids. Double mixed.....¼ oz., 60c	.25	2.00
Red Riding Hood. Scarlet. Button type..... ..... ½ oz., 75c; 4 ozs., $4.00; ¼ oz., 45c	.25	1.25
Vaughan's Mixture of Midget Zinnias. Single, double and semi-double flowers are produced in abundance. Rich in orange, red, maroon and yellow tones, some showing red tipped with gold, salmon and gold, pure gold and rich cream.....¼ oz., 60c	.25	2.00

ZINNIA Scabiosa Flowered

ANCHUSA Italica Dropmore Variety

We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of mid-summer, and the long growing season produces larger plants that winter over more successfully.

ALYSSUM Saxatile Compactum

ANTHEMIS Tinctoria

Seeds of Biennials and Hardy Perennials

Perennials fill a large and interesting place in the operations of an up-to-date florist establishment. Some are as easily raised as annuals; quite a few may be forced; others make fine pot plants; and many furnish splendid cutting material. The rock garden requirements absorb all the low-growing varieties and the florist with his eye to the future will devote considerable space to perennials of all kinds. They require little heat, if any, and not much care.

SEED GERMINATES SLOWLY AND IRREGULARLY

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Anemone, Clematis, Delphinium Cardinale, Delphinium Nudicaule, Dictamnus, Dielytra, Iris, Phlox Decussata, Primulas Trollius and nearly all Alpines.

Rock Garden subjects are marked ×.

	Trade pkt.	Oz.
Achillea Ptarmica Fl. Pl. The Pearl. Abundant small white flowers, for cutting, 30 in. ⅛ oz., 60c	$0.35	....
Aconitum (Monk's Hood). Wilsoni. Mid-blue, large and late flowering. ¼ oz., 80c	.25	$2.80
Barker's Variety. Branching habit, flowers pretty amethyst blue. ¼ oz., $1.00	.25	....
Aethionema Coridifolium (Lebanon Candytuft). Light rosy purple, 8 in.	.50	....
Allwoodii, see Dianthus.		
Alstroemeria Aurantiaca. Orange streaked red, 3 to 4 ft.	.35	.....
Alyssum Argenteum × Yellow-flowered, silvery foliage, 24 in. ⅛ oz., 60c.	.35	....
Saxatile Compactum (Gold Dust). Golden yellow, 12 in. Blooms in spring. ¼ oz., 30c	.15	1.00
Sulphureum (Citrinum). Sulphur-yellow, 15 in. ⅛ oz., 65c	35	4.00
Rock Garden Perennial Species, Mixed, ⅛ oz., 70c	.35	....
Ampelopsis Veitchi, Boston Ivy. Clean seed. lb., $5.00	.15	.50
Amsonia Tabernaemontana. Free flowering long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. 2 to 3 ft. ¼ oz., 90c	.50	....
Anchusa Italica, Dropmore Variety. Large, gentian-blue, excellent perennial for cutting, 6 ft. ¼ oz., 50c.	.25	1.80
Dwarf Dropmore Variety (Feltham Pride). Neat habit, flowers brighter blue than preceding. 3 ft. ¼ oz., 60c	.25	2.00
Lissadell. Clear gentian-blue. 6 ft.	.15	.80
Morning Glory. Clear blue, a little lighter than Lissadell but quite similar. Height about 5 ft., coming very true. Buds appear a rosy mauve but turn to clear blue as they open. ¼ oz., 45c	.25	1.40

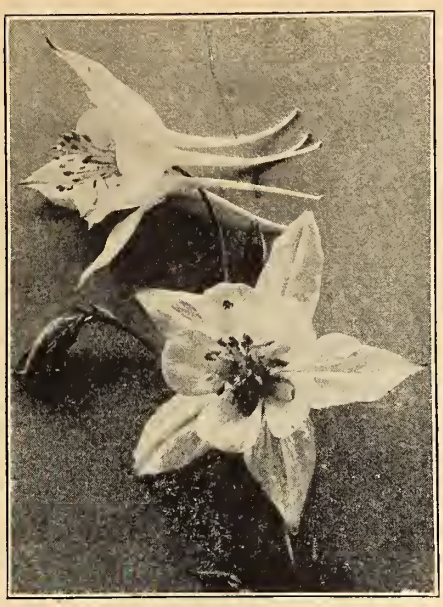
ANCHUSA—Continued	Trade pkt.	Oz.
Myosotidiflora. × A charming plant with the exquisite blue flowers of the forget-me-not, carried on 2 ft. high stiff stems. Large heart-shaped basal leaves, for rock garden or border. Flowers in April and May. This seed should be placed in refrigerator for 72 hours before sowing. ⅛ oz., $1.00; ¼ oz., $1.80	$0.50	.....
Anemone (Windflower), Coronaria. Sylphide Blue. light purple.	.50	.....
St. Brigid's Hybrids (Irish Champions). Irish-grown St. Brigids are largely favored by commercial growers on account of the lasting quality of the bloom, length of stem, and the brilliancy of colors. 18 in. ¼ oz., 85c	.50	$3.00
Pulsatilla. × The Pasque Flower. A singularly beautiful species with violet flowers, whole plant covered with silky hairs, needs a dry situation. Blooms in April to June. 12 in.	.50	....
Anthemis Kelwayii (Hardy Marguerite). Daisy-like lemon-yellow blossoms, produced all summer, 3 ft.	.15	.60
Tinctoria. Very useful yellow border plant, 2 to 3 ft.	.25	....

AQUILEGIA × (Columbine)

Alpina. Blue. A beautiful short-spurred form, 24 in.	.35	....
Canadensis. Native variety, bright red and yellow, 30 in. ¼ oz., 50c	.25	1.80
Chrysantha. Light chrome-yellow, fine, 36 in. ¼ oz., 80c	.35	2.80
Chrysantha Silver Queen. Long-spurred silvery white, 2 ft. ¼ oz., 90c	.35	3.20
Clematiflora. Mixed, Spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades. ½ oz., $1.00	.50	....

Unless otherwise quoted we supply ½ oz. at the ounce price and 4 ozs. (of a variety) at the pound price.

AQUILEGIA Longissima Hybrids. Tr pkt., 50c



AQUILEGIA Mrs. Scott Elliott's Strain

AQUILEGIA Clematiflora.

Seeds of Biennials and Hardy Perennials

AQUILEGIA (Columbine)—Continued	Trade pkt.	Oz.	
Coerulea. Mrs Nicholls. Deep blue and bolder flower than Coerulea blue . . . 1/16 oz., 80c; 1/8 oz., $1.40	$0.50	....	
Rose Queen. Shades of rose with white corolla, 30 in. . . . . 1/4 oz., $1.20	.35	$4.00	
Flabellata Nana Alba. Pure white early flowering 12 inch.	.50	....	
Longissima. Long-spurred delicate yellow . . . . . 1/8 oz., $3.00; 1/16 oz., $1.60	.50	....	
Longissima Hybrids. Very long-spurred variety in many attractive shades . . . . . 1/16 oz., $2.00	.50	....	
Long-Spurred Blue Shades. . . . . 1/8 oz., $1.00	.50	....	
Copper Queen. Copper-red, straw-colored corolla, variable in shade, 18 in. . . . . 1/8 oz., $1.00	.50	....	
Crimson Star. Long spurs of rich crimson, the center is white tinged carmine, flowers 3 in. across on 2 ft. stems. . . . . 1/8 oz., $2.00; 1/4 oz., $3.50	.75	....	
Orange and Scarlet Shades. . . . . 1/4 oz., $1.20	.50	4.00	
Mrs. Scott Elliott's Strain. The blooms are of large size and the spurs very long. The colors range through shades of lavender, mauve, blue, purple, white, cream, yellow, pink, red, etc . . . 1/4 oz., $1.00	.35	3.50	

AQUILEGIA—Continued	Trade pkt.	Oz.	
Special Mixture of Long-Spurred Varieties. A mixture of superior American and English strains . . . . . 1/4 oz., $1.00	$0.35	$3.50	
Rainbow Mixture of Colorado varieties. Many charming colors of our native Columbine . . . 1/4 oz., $1.00	.35	3.50	
Vaughan's Special Mixture. All types . . . 1/4 oz., $1.00	.35	3.60	
Arabis × Alpina. White flowers in dense masses, 1 ft. . . . . 1/4 oz., 75c	.35	....	
Alpina Nana Compacta. White, 8 in.	.35	....	
Rosea. Pink, 1 ft.	.35	....	
Armeria × Alpina. Deep rose, 3 in. . . . . 1/8 oz., $2.40	.75	....	
Formosa. Large Flowering Hybrids. 2 ft. 1/4 oz., 75c	.35	....	
Glory of Holland. Giant Pink. The clear, deep, pink flowers of the size of a silver dollar are borne on straight, tall stems of 24 inches high, throughout the summer. Extra fine for cutting . . . 1/8 oz., $2.00	.50	....	
Mauritanica (Cephaloteos) Giant Thrift, rose and white, 2 ft. . . . . 1/4 oz., 75c	.50	....	

ANEMONE St. Brigid's Hybrids

ARMERIAS Are Fine for Cutting

ARABIS Alpina

CAMPANULA Persicifolia Single

CAMPANULA Medium Calycanthema

BAPTISIA Australis

Seeds of Biennials and Hardy Perennials

	Tr. pkt.	Oz.
Asphodelus Luteus. Yellow, fragrant, 3 ft. . ⅛ oz., 75c	$0 35	....
Aster Perennial. Large-Flowering Varieties, mixed ..... ⅛ oz., $1.40	.50	....
Goliath. × Soft blue, largest-flowered, fine, 15 in. ..... ⅛ oz., $1.25; ¼ oz., $2.25	.75	....
Amellus Hybridus. Named varieties, finest mixed. 30 in..... ⅛ oz., $1.00	.50	....
Farreri. Violet mauve with orange disc.....	.50	....
Aubrietia. Semi-double Hybrids. Produces 75% large semi-double flowers in all known colors of this family and many new art shades.....	.75	....
New Giant-Flowered. (Monarch strain). All full petalled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Highly recommended... ..... 1/16 oz., $1.00	.50	....
Large-Flowered Hybrids. × Lovely dwarf spring blooming plants. Form beautiful cushions of foliage and flowers. 6 in..... ¼ oz., 80c	.25	$2.80
Deltoidea. × Lilac, 6 in.....	.35	....
Eyrii. × Free flowering large blue.....	.35	....
Graeca. Large blue free-flowering, 6 in... ¼ oz., 75c	.35	....
Leichtlini. × Large-flowered, rosy-purple.....	.50	....
Purpurea. True deep purple.....	.50	....
Auricula. See Primula.		
Baby's Breath. See Gypsophila Paniculata.		
Baptisia Australis (False Indigo). Beautiful racemes of pea-shaped indigo-blue flowers.. 2-4 ft.....	.15	.75
Bellis Perennis × or English Daisy.		
Monstrosa Double Pink 1/16 oz., $1.00; ⅛ oz., $1.80	.50	....
Double Crimson..... 1/16 oz., $1.00	.50	....
Double White..... 1/16 oz., $1.00	.50	....
Double mixed..... 1/16 oz., $1.00; ⅛ oz., $1.80	.50	....
Tubulosa Aetna. Rich deep red.....	.75	....
Pink. Quilled pink.....	.75	....
Glory of Frankfurt. Brilliant dark red.....	.75	....
Bignonia Radicans (Trumpet Vine). Dark red, orange throat.....	.15	.75
Bocconia Japonica (Plume Poppy). The plants grow 6 to 7 ft. high and the large finely-cut leaves are topped by huge flower spikes, carrying creamy white blossoms..... ¼ oz., 50c	.25	....
Boltonia Latisquama. Delicate pink, 4-5 ft..... ¼ oz., $1.00	Tr. pkt. $0.35	Oz. ....
Callirhoe Involucrata. × Large crimson flowers, trailing habit, very showy, 6 in..... ¼ oz., 85c	.35	$3.00

CAMPANULA PERENNIAL SORTS

Carpatica × (Hare Bell). Forms a quickly-widening tuft of neat foliage above which are borne on slender, branched erect stems, wide cup-shaped upright blooms of a glistening light violet blue, 9 in. ..... ⅛ oz., $1.00	.35	....
Alba. × White, 9 in.....	.50	....
Cullinmore. A lovely hybrid form of Carpatica and other dwarf-growing species. Much more prolific than Carpatica. Its flowers of various shades of blue are produced all summer. Very nice edging plant or for the rock garden.....	.75	....
Garganica. × A compact and tufty plant with pendant flowering branches. The flowers are blue with a white eye. 4 in.....	.75	....
Lactiflora Coerulea. Light blue, 3 ft..... ¼ oz., 50c	.25	1.80
Latifolia Macrantha. Blue, large-fld., 40 in.....	.35	....
Persicifolia (Peach Bell) Alba. White, fine, 30 in.....	.35	....
Coerulea. Blue, 30 in..... ¼ oz., $1.00	.35	....
Telham Beauty. Very large bells of China blue, varies, 30 in..... ⅛ oz., $1.20	.50	....
Wedgwood. Large flowers of deep violet-blue. Will do good in full sun or partial shade. If sprays of buds are cut and put in water, they open to charming flowers which are useful for decorative purposes ..... ⅛ oz., $1.20	.50	....
Single mixed..... ¼ oz., $1.00	.35	....
Pyramidalis Alba. White, 5 ft.....	.35	....
Blue. Lavender-blue, 5 ft..... ¼ oz., 70c	.35	....
Mixed..... ¼ oz., 70c	.35	....
Rapunculoides. Spires of loosely swung bell-blossoms, beauty for months on end. Variable coloring, from soft blue to deep violet. A row of it becomes a hedge of bloom, and it has perhaps the longest flowering season of any Campanula..... ¼ oz., 75c	.35	....
Rotundifolia (Scotch Blue Bell). × Slender branching stems, covered with dainty frail blue flowers. Blooms in July and again in fall, 6-12 in. ⅛ oz., $1.00	.50	....
Perennial Varieties. Mixed..... ¼ oz., 75c	.35	2.80
Rock Garden Varieties. Mixed.....	.35	....

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

SHASTA DAISY Alaska

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

CANDYTUFT Sempervirens

CARNATION Grenadin Mixed

Seeds of Biennials and Hardy Perennials

CAMPANULA—Continued

	Trade pkt.	Oz.
CAMPANULA BIENNIAL SORTS		
Medium Calycanthema, Cup and Saucer. Dark Blue, Lilac, Rose and White. 36 inch each..¼ oz., 50c	$0.20	$1.60
Calycanthema Mixed.....¼ oz., 50c	.20	1.60
Single. Canterbury Bell. Blue, Lilac, Rose, White, 36 in., each.....¼ oz., 25c	.15	.80
Single Mixed.....¼ oz., 25c	.15	.80
Double Blue.....¼ oz., 70c	.25	....
Rose.....¼ oz., $1.00	.25	....
White.....¼ oz., 70c	.25	....
Mixed.....¼ oz., 70c	.25	....
Double and single mixed.....¼ oz., 50c	.20	1.60
Candytuft × Gibraltarica. 1 ft. Large flowers, lilac shaded to white.....¼ oz., 50c	.25	1.60
Jucunda (Lebanon Candytuft). Dwarf pretty pink, 4 in.....	.50	....
Sempervirens, 12 in. White.....¼ oz., $1.20	.50	4.50
CARNATION		
Grenadin Golden Sun. Golden yellow.....⅛ oz., $1.40; ¼ oz., $2.50	.50	8.00
King of the Blacks. Darkest red, very fine. 20 in.....⅛ oz., $1.40; ¼ oz., $2.50	.50	8.00
Red. Half high. 20 in. ⅛ oz., $1.40; ¼ oz., $2.50	.50	8.00
Triumph Rose, 20 in...⅛ oz., $1.40; ¼ oz., $2.50	.50	8.00
White Gold. Soft yellow, new.....⅛ oz., $1.40; ¼ oz., $2.50	.50	8.00
White, 20 in.....⅛ oz., $1.40; ¼ oz., $2.50	.50	8.00
Mixed.....⅛ oz., $1.40; ¼ oz., $2.50	.50	8.00
Vienna Dwarf. Mixed.....⅛ oz., $1.00	.50	....
Prof. Malmgreen. A new early flowering Vienna Dwarf Double type with gay brick red flowers. Fine for cutting. 14 in.....	.50	....
Cassia Marylandica (Indian Senna). Racemes of showy yellow flowers. 30 in.....¼ oz., 40c	.25	1.40
Centaurea Macrocephala. Radiant yellow thistle-like blooms often 4 in. across. 36 in.....¼ oz., 45c	.25	1.50
Montana. Cornflower blue, 24 in.....¼ oz., 40c	.25	1 20
Perennial sorts mixed.....¼ oz., 80c	.35	3.00
Cephalaria Alpina. Sulphur-Yellow. 5 ft.....	.35	...
Cerastium × Tomentosum (Snow in Summer). Silvery white foliage, white flowers. 16 in.....¼ oz., 60c	.25	2.00
Cheiranthus Allionii. Brilliant orange. 16 in.....¼ lb., $1.40	Trade pkt. $0.15	Oz. $0.40
Golden Bedder. Deep golden yellow flowers, sweetly scented, long-flowering.....¼ oz., 30c	.15	1.00
Kewensis, Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in.....¼ oz., 75c	.35	....
Linifolius. Lilac. 18 in.....¼ oz., 40c	.25	1.40
CHRYSANTHEMUM		
Maximum Conqueror (Victor). Giant-flowered white .....¼ oz., 30c	.15	1.00
King Edward VII. White.....⅛ oz., 50c	.25	....
Mrs. C. Lothian Bell. Single white. 3 ft..⅛ oz., 50c	.25	....
See also Shasta Daisy.		
Korean Hybrids. Seed saved from a large acreage of experimental crosses representing a wonderful range of magnificent colors. Large-flowering single and semi-double. ⅛ oz., $2.00; ¼ oz., $3.50	1.00	....
September Jewels. Contain an extra-large number of beautiful colors. The plants grow 1 to 2 feet tall and the flowers measure about 2½ inches in diameter.....1/16 oz., $1.00	.50	....
Clove Pink. See Dianthus Plumarius.		
Columbine. See Aquilegia.		
Coreopsis Lanceolata Grandiflora. Very large golden yellow flowers, long-stemmed, excellent for cutting, ...1lb., $3.60	.15	.30
Double Sunburst (Double Gold). Large double flowers 1½ to 2 in. across.....¼ oz., 30c	.15	1.00
Mayfield Giant. Best large deep golden-yellow. .....¼ oz., 25c	.15	.80
Daisy. See Bellis, Agathea, Chrysanthemum Maximum and Pyrethrum.		
Daisy, Shasta, Alaska. Best white, American-grown, 40 in.....¼ oz., 40c	.20	1.20
Diener's Giant Double Shasta. Flowers five inches across resemble giant asters, on long wiry stems. Blooms over a period of several months. The first year flowers appear with a high percentage of singles. The second year they act like Pyrethrum Double in that they show practically 100% doubles..1/16 oz., $1.25; ⅛ oz., $2.00; ¼ oz., $3.50	.50	.....
Diener's Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2½ to 3 feet long..1/16 oz., $1.00; ⅛ oz., $1.85; ¼ oz., $3.50.....	.50	14.00

SHASTA DAISY—Diener's Double Giant

DELPHINIUM PACIFIC GIANT HYBRIDS

Seeds of Biennials and Hardy Perennials

Delphinium

PACIFIC GIANT (Vetterle and Reinelt). This strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter** and represent a truly outstanding addition to the cut flower market.

Black Knight Series. Deep mid-night violet. The darkest of them all. Flowers of beautiful round form, with heavy velvety texture.

Blue Bird. A clear medium blue with white bee with huge tall spikes.

Blue Jay. Brilliant true medium blue with dark bee.

Cameliard Series. This is a pure lavender self, with white bee.

Galahad Series. Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal violet with large white bee.

Summer Skies. Clearest light blue with white bee.

Round Table Series. As the name implies, this represents all of the color combinations of the above Knights and their Ladies.

Each of the above, Trade pkt., $1.25; ⅛ oz., $2.50; ¼ oz., $4.00; oz., $14.00.

Pacific Giant. Clear White. Individual florets 2 to 2½ inches in diameter. Well placed on large well balanced spikes. Clear glistening white with heavy texture. Excellent for show purposes. Not Mildew resistant.

Pacific Giant Dark Blue Shades.

Pacific Giant Light Blue Shades.

Pacific Giant Lavender Pastel Shades. Color range from light lavender to deep smoky lavender, generally of two tone combinations with brown or black bees.

Pacific Violet Shades.

Pacific Giant Mixed.

Each of above 6: Trade pkt., $1.00; ⅛ oz., $2.00; ¼ oz., $3.50; oz., $12.00.

Blackmore and Langdon Strain, Mixed. Tall, graceful spikes covered with blooms. All the clear shades of blue with many delightful opaline variations, with bees of contrasting colors.....¼ oz., 90c — Tr. pkt. $0.50 — Oz. $3.00

DELPHINIUM—Continued		Tr. pkt.	Oz.
Wrexham Strain (Hollyhock Delphinium). The chief distinguishing features of the "Hollyhock" Delphiniums are the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period. Mixed.....	⅛ oz., 80c; ¼ oz., $1.50	$0.50	$5.40
Belladonna. Light Blue, Improved. Light blue, large-flowered, strong grower. 4 to 5 ft.....	¼ oz., 80c; lb., $35.00	.40	2.80
Bellamosum Improved. Large deep blue flowers, uniform in color with a white bee. 4 to 5 ft.....	lb., $35.00; ¼ oz., 80c	.40	2.80
Cardinale. Fine scarlet flowers, yellow center, 30 in.	¼ oz., 75c	.35	2.80
Chinense Album Grandiflorum. White, 36 in.	¼ oz., 35c	.20	1.20
Blue. Gentian blue.....	¼ oz., 35c	.20	1.20
Blue Mirror. This Chinese Larkspur has no spurs and it shows its bright navy-blue flowers most effectively by their horizontal position. Height 1½ to 2 feet. May be cultivated as an annual as well as perennial, and is finely suited for cutting purposes, for groups and borders	¼ oz., $1.00	.50	3.60
Cambridge Blue. Rich belladonna blue...	¼ oz., 65c	.35	2.20
Azure Fairy. Soft azure-blue, 20 in.....	¼ oz., 35c	.20	1.20
Elatum Hybridum Indigo, True Blue. 5 ft.	¼ oz., 90c	.35	3.00
Elatum Hybridum Lamartine. To our knowledge this fine strain has been lost and we recommend as closest substitute our Bellamosum Improved.			

DIANTHUS BARBATUS—Sweet William

Double Dwarf Midget Mixed.....	¼ oz., 85c	.35	3.00
Nigrescens. Double, almost black.....	¼ oz., 60c	.25	2.00
Giant Flowered Mixed.....	¼ oz., 80c	.35	2.80
Seedlings of all Double Sweet Williams produce about 40 per cent of single-blooming plants.			
Single Blood-red (Atrosanguineus).....	¼ oz., 50c	.25	1.60
Copper Red. Showy flower heads composed of numerous good-sized individual blooms in an attractive new color.....	¼oz., $1.00	.35	....

Rock plants are followed by X, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

SWEET WILLIAM Single "Midget" MIXED COLORS

The habit of this Sweet William Dwarf Alpine Mixed is of a ball type, grows from three to four inches tall. The blooms, which almost entirely cover the foliage, are quite large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored.

Trade pkt., 50c; ¼ oz., $1.40; oz., $5.00.

DIANTHUS BARBATUS (Sweet William)—Continued

	Tr. pkt.	Oz.
Special Giant White. Phlox-flowered. Enormous trusses of bloom. Fine for cutting..¼ oz., 75c	$0.35	$2.40
Homeland. A most unusual color, dark red with large, sharply defined clear white center.....¼ oz., $1.00	.50	3.80
Nigrescens. Very dark, almost black..¼ oz., 50c	25	1 60
Newport Pink Salmon-pink.....¼ oz.,75c	.35	2 40
Purple Beauty.....¼ oz., $1.00	.50	....
Scarlet Beauty. Scarlet.....¼ oz., 75c	.35	2.40
Dwarf Midget Mixed. See illustration above.....¼ oz., $1.40	.50	5.00
Mammoth Flowered. Single mixed....¼ oz., 75c	.35	2.40
Vaughan's Special Mixture. Double and single of above choice varieties.....¼ oz., 80c	.35	2.80

DIANTHUS PLUMARIUS—Clove Pinks ×

Cyclops. Red Hybrids.....¼ oz., $1.00	.35	....
Highland Rose Hybrids Mixed. Beautiful and varied mixture, especially noted for their fragrance and long flowering.....¼ oz., $1.00	.35	3.60
Ipswich Crimson. A grand single variety deep crimson flowers.....⅛ oz., $1.50	.50	....
Little Jock Hybrids. The compact plants produce a multitude of pretty fringed flowers, about an inch across, in varied tints of pink, rose and white, mostly with a deep zone, and quite 50% of them are double.....	.50	....
Scoticus Double Special Florist Strain. Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. Stems 12 to 15 inches. Blooms 1½ to 2 inches. Free flowering.....1/16 oz., $1.00	.50	....
Spring Beauty. Double giant-flowered carnation-like in form and size and with a beautiful color range. Very fragrant.....¼ oz., $1.40	.50	5.00
Single Mixed.....¼ oz., 50c	.20	1.60
Double Early-Flowering. Dwarf Mixed.....	.35	....
Semperflorens. Double Mixed.....¼ oz., 60c	.30	2.20
Vaughan's Special Mixture.....¼ oz., 90c	.35	3.20

DIANTHUS—Continued

DIANTHUS—SORTS

	Trade pkt.	Oz.
Allwoodii. Alpinus. × 4 to 8 in. Mixed colors. Glossy leaves, large flowers various shades of pink and rose.....⅛ oz., 65c; ¼ oz., $1.20	$0.35	....
Arenarius. Sand Pink. Small white fringed. 8 in. ¼ oz., 80c	.25	....
Barbatus × Chinensis, Mixed (Annual Sweet William). Blooms from seed the first year.....¼ oz., 35c	.20	$1.20
Caesius (Cheddar Pink). × Dense tufts of glaucous blue foliage and large fragrant rose-colored flowers.....¼ oz., 65c	.25	2.20
Delight. There is a bewildering range of colors, from the palest pink down to the deepest purple; the predominating shades are velvety rich reds; many have the eye of a Sweet William.....⅛ oz , $1.00	.35	....
Deltoides Brilliant. (Maiden Pink) 8 in. Delicate pink blossoms, carried above fine featherly foliage.....	.35	....
Erecta Red.....⅛ oz., $1.00	.35	....
Mixed. Fine for rock gardens.....	.35	....
Knappi. Clusters of clear golden yellow flowers appear above the grassy green foliage. .....1/16 oz., $1.20	.50	....
Latifolius Atrococcineus plena. A beautiful outdoor Pink, of deep crimson color, semi to full double flowers, borne on stout 15 to 18 in. stem..⅛ oz., $1.00	.35	....
Loveliness. Large laciniated petals of a most exquisite mauve pink, but the most fascinating of all is their delightful fragrance.....⅛ oz., $1.20	.50	....
Sweet Wivelsfield. Single, mixed. Especially adapted for perennial borders and rock gardens. Excellent cut flower. 1 ft.....¼ oz., 35c	.20	1.20
Sweet Wivelsfield. Double, mixed.....¼ oz., 60c	.25	2.20
Best Rock Work Species Mixed ×..... ¼ oz., 80c	.25	2.80
Winteri. A Pink of striking beauty. Single, bold form, delightful pure colors, fragrant, blooms from seed first year. Compact habit, 9 in., 1/16 oz., 80c; ⅛ oz., $1.40.....	.50	....

Dicentra Eximia (Plumy Bleeding Heart). Dwarf. 12 in.....¼ oz., 80c	.35	3.00
Dictamnus Fraxinella (Gas Plant). Pink flowers with dark veins, 30 in.....¼ oz., 70c	.35	2.60
Fraxinella Albus. White, 30 in.....¼ oz., 60c	.35	2.20

DIANTHUS PLUMARIUS Little Jack Hybrids

DICTAMNUS Fraxinella (Gas Plant)

MYOSOTIS Blue Eyes

DIGITALIS Shirley Hybrids

Seeds of Biennials and Hardy Perennials

	Trade pkt.	Oz.
DIGITALIS (Foxglove)		
Hybrida Lutzii. Salmon hybrids. 4 ft....¼ oz., 70c	$0.25	....
Gloxiniaflora. Mixed, spotted flowers, 4 ft...¼ oz., 50c	.25	$1.60
Purple....¼ oz., 50c	.25	....
Rose....¼ oz., 50c	.25	....
Shirley Hybrids. Mixed. Enormous flowers, rich mixture, 6 to 7 ft....¼ oz., 60c	.25	2.20
Grandiflora. (Ambigua), Chrome-yellow. Marked with brown. 36 in....⅛ oz., 70c	.35	....
Vaughan's Special Mixture....¼ oz., 60c	.25	2.00
FORGET-ME-NOT × (Myosotis)		
Alpestris Blue Eyes. Bright blue with white eye, large, early flowering....¼ oz., $1.40	.35	5.00
Indigo Blue (Royal Blue). 12 in....¼ oz., 95c	.35	3.20
Blue Compacta. Deep blue. ⅛ oz., 90c; ¼ oz., $1.60	.35	6.00
Rosea. 12 in....	.35	....
Stricta. Blue Bouquet. A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. 1 ft....	.35	....
Vaughan's Early Blue Bird. An extra early flowering strain of Blue Bird type and color. Should be used exclusively for cutting and valuable for pots or bedding....¼ oz., 85c	.35	3.00
Echinops (Globe Thistle) Ritro. Showy thistle like plants with globular heads of deep metallic blue flowers, which can be dried as everlastings. Grow in clumps in full sun....¼ oz., 80c	.35	3.00
Edelweiss. × Large flowered, 6 in....	.50	....
Erinus × Alpinus. Purple, for borders, 6 in....	.50	....
Eryngium Amethystinum. True amethyst-blue thistle with amethyst stems and bracts. Fine for cutting, 3 ft....¼ oz., 70c	.25	2.40
Planum. Cornflower blue, globular heads, 4 ft...	.50	....
Euphorbia Corollata (Wild Baby's Breath). Resembles Gypsophila but the flowers are larger and more pronouncedly white. Blooms in midsummer. Valuable for bouquets. Leaves turn a rich wine color in fall. Will stand any amount of drought. 2 ft....¼ oz., $1.00	.35	3.60
Myrsinites. A prostrate plant with beautiful bluish foliage, heads of yellow flowers. Spring 3 in.... ....⅛ oz., $1.00	.35	....

EUPHORBIA—Continued

	Trade pkt.	Oz.
Polychroma. The flowers are bright yellow changing to a rosy bronze. 15 to 18 in.... ....1/16 oz., $1.00; ⅛ oz., $1.80	$0.50	....
GAILLARDIA Grandiflora		
Burgundy. Self colored wine-red, 2½ in. in diameter, on long stiff stems, from June until fall. Comes 60% to 70% true, 30 in....¼ oz., 65c	.25	$2.20
Dazzler. Large flowers, bright golden yellow with rich maroon-red center. 3 ft....¼ oz., 65c	.25	2.20
Goblin. Very compact globular plants, red and yellow bicolor....¼ oz., 70c	.35	2.60
Monarch Strain. A robust strain very varied in coloring and with flowers of giant size and perfect form ....¼ oz., 50c	.25	1.80
Portola Hybrids. The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2½ to 3 ft. ....¼ oz., 50c	.25	1.80
Tangerine. Vivid tangerine orange....¼ oz., 50c	.25	1.80
Torchlight. Bright golden yellow, rich maroon center. 2 ft....¼ oz., $1.60	.35	....
Gas Plant, see Dictamnus.		
Gerbera Jamesoni. New Flowerland strain. A popular greenhouse forcing perennial plant, fine for cutting. New seed is always available, as it is harvested at intervals during the year.... ....100 seeds, 45c; 500 seeds, $1.75; 1000 seeds, $3.00	....	....
Geum. Lady Stratheden (Golden Ball). The blooms are large double rich golden yellow. 2 ft.... ....¼ oz., 80c	.35	3.00
Mrs. Bradshaw. Large double fiery orange red. 2 ft. ....¼ oz., 80c	.35	3.00
Prince of Orange. True orange....⅛ oz., 85c	.50	....
Gypsophila Mangini. A splendid florist cut flower, strong growing "Pink Baby's Breath." 2 ft. ¼ oz., 60c	.25	2.00
Oldhamiana. Great tangles of airy, misty blooms in pink shades. The florets are slightly more than a quarter of an inch in diameter and possess a white throat. Blooms in fall. The foliage is silvery overcast....¼ oz., 65c	.25	2.20

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

GAILLARDIA Grandiflora Portola Hybrids

GEUM Mrs. Bradshaw

GERBERA Jamesoni Flowerland Strain

Seeds of Biennials and Hardy Perennials

GYPSOPHILA—Continued	Tr. pkt.	Oz.
Pacifica. Starry pink blossoms on branching panicles. Good cut flower. Sept. and Oct. 4 ft. ¼ oz., 80c	$0.25	$2.80
Paniculata Snow-White Double. Pure white double strain. 2 ft. ¼ oz., $1.25	.50	4.40
Paniculata White. Small single white flowers in great profusion, useful for cutting. 40 in. ¼ lb., $1.60	.15	.50
Repens × White flowers, trailer, good border or rock plant. 6 in. ¼ oz., 70c	.25	2.40
Rosea. Pink ¼ oz., 70c	.25	2.40
Helenium Bigelowi. Yellow dark disc, for cutting. 20 in. ¼ oz., $1.20	.35	4.00
Riverton Gem. Flowers open as old gold and terra-cotta changing to wallflower red. 3½ ft. ¼ oz., $1.20	.35	4.00
Helianthemum × Mutabile. Mixed Colors. (Rock Rose.) Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. 8 to 12 in. ¼ oz., 40c	.20	1.40
Heliopsis Laevis Pitcheriana. Deep golden yellow flowers, 2 in. in diameter, very thick texture. Good cut flower. 4 ft.	.35	....
Hemerocallis Peerless Blend. A mixture of high merit. Seeds saved from ten botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. 100 seeds, 35c; 1000 seeds, $2.50		
Hesperis Matronalis Mixed. (Sweet Rocket.) Sweet scented purple and white flowers	.25	....
Heuchera × Sanguinea Splendens. Bright vermilion 1/16 oz., $1.30	.50	....
Sanguinea Hybrida Mixed. 1/16 oz., $1.00	.35	....
Hibiscus Crimson Eye. White with red eye. 4 ft. ¼ oz., 35c	.20	1.20
Jumbo Red. Special selection made to improve color and size of Mallow Marvels Red. ¼ oz., 50c	.25	1.80
Mallow Marvels. Mixed. 4 ft. ¼ oz., 40c	.25	1.40
Red. ¼ oz., 40c	.25	1.40
Pink. ¼ oz., 40c	.25	1.40

Hollyhocks Chater's. Double Separate Colors.

Appleblossom	Deep Rose (Carmine rose)
Chamois (Buff yellow)	Newport Pink
Crimson	Salmon Rose
Deep Salmon Red	Scarlet (Blood Red)
Lilac Beauty	White
Maroon	Yellow

	Trade pkt.	Oz.
Each of above. ¼ oz., 50c	$0.30	$1.50
Write for special prices on larger amounts.		
Chater's Prize. Double mixed. ¼ oz., 50c	.30	1.50
Special Double Black. ¼ oz., 65c	.35	2.20
Imperator, Improved ("Begonia Flowered" Crested Mixed). Collar of frilled and fringed edges. ¼ oz., 55c	.30	1.80

GYPSOPHILA Oldhamiana

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

HOLLYHOCK Chater's Double Mixed

HIBISCUS

LINARIA Dalmatica

Seeds of Biennials and Hardy Perennials

HOLLYHOCKS—Continued

	Tr. pkt.	Oz.
Triumph. Double waved and fringed flowers in delicate art shades ..... ¼ oz., 50c	$0 30	$1.50
Vaughan's Special Mixture includes all Doubles, Imperator, Triumph and Allegheny ..... ¼ oz., 50c	.30	1.80
Single mixed	25	80
Delicate Pink Shades ..... ¼ oz., $1.00	.35	....
Allegheny. Mammoth-flowering. Semi-double flowers. Mixed ..... ¼ oz., 25c	.15	.75
Everblooming Double Hybrids, mixed. If sown early will bloom first year ..... ¼ oz., 40c	.20	1.40
Indian Spring. It produces flowers of varying attractive bright rose and rosy carmine shades. Double and semi-double. Blooms from seed first year if sown early ..... ¼ oz., 50c	.25	1.60
Hyacinthus Candicans. 3 ft. Large snowdrop-like flowers in long racemes	.25	1.00
Iris Dichotoma, August or Vesper Iris. Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet purple with markings of buff, orange, copper, brown, mahogany, and rose. Sow seed in early spring while soil is cool. Usually a fair proportion will bloom the first summer ..... ¼ oz., 65c	.35	2.20
Kaempferi. Mixed. Most seedlings bloom the second year. 18 in. Sow in fall ..... ¼ oz., 60c	.35	2.00
Isatis Glauca. (Golden Gypsophila). Foliage silvery gray-green. Clouds of fine yellow flowers in July. 2 ft. ..... ¼ oz., 60c	.35	....
Kenilworth Ivy × (Linaria Cymbalaria). Pretty trailing variety. Pink	.35	....
Lathyrus Latifolius (Everlasting Pea). Mixed ..... ¼ oz., 30c	.20	1.00
Latifolius Pink Beauty. Large racemes of pleasing deep rose flowers. 6 ft ..... ¼ oz., 30c	.20	1.00
Red. Magenta. 7 ft ..... ¼ oz., 30c	.20	1.00
White Pearl. Lovely sprays of large sweet pea-like flowers, each spray having 12 to 15 blooms. In flower all summer. 5 ft ..... ¼ oz., 30c	.20	1.00
Lavandula Vera. Munstead Strain. Large sweet-scented flowers in abundance. It flowers a month earlier than the common Lavender; height not exceeding 1 foot, an improved Vera. Sow in fall ..... ¼ oz., $1.00	.35	....

	Trade pkt.	Oz.
Liatris Pycnostachya. Long spike of brilliant rose-purple flowers. Aug. to Oct. 4 ft ..... ¼ oz., 75c	$0.30	$2.80
September Glory. 6 ft. Spike covered with purple flowers ..... ¼ oz., $1.50	.50	5.50
Spicata (Blazing Star). Purple rose, 20 in ..... ¼ oz., 80c	.35	2.80
Scariosa. Violet-purple. 4 ft ..... ¼ oz., $1.00	.35	....
Alba. Is stocky, almost bushy and has several full flowering stalks growing about 2½ ft. high. The flowers are attractive white pompons thickly studding the main stalk as well as the branches ..... ¼ oz., $1.50	.50	5.50
Linaria Cymbalaria, × Pink. 3 in	.35	....
Dalmatica. Lemon yellow. 3 ft	.35	....
Macedonica Speciosa. Nymph. Creamy white. 36 in.	.35	....

Lilies

Culture on Lilies from seed sent free with order.

Concolor. Erect fiery scarlet with dark red spots ..... ¼ oz., 65c	.25	2.20
Formosanum Giant White	.50	....
Longiflorum Praecox (White Queen). Produces blooms of the well known Erabu type in from 12 to 15 months after sowing. Long trumpet flowers of clear white ..... 5 trade pkts., for $4.50	1.00	....
Regale. The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. 3 to 5 feet ..... ¼ oz., 35c	.20	1.20
Tenuifolium (Siberian Coral Lily). Flowers dazzling coral red flowers up and down the stem. 20 in ..... ¼ oz., 40c	.25	1.40
Golden Gleam. Pure golden yellow form of the above ..... ¼ oz., 80c	.35	3.00
Linum Alpinum. × Pale blue. Prostrate habit	.50	....
Perenne (Perennial Flax). Very pretty pale blue flowers on slender stems. 30 in	.15	.50
Flavum. Fine variety with transparent yellow flowers. 1 to 2 ft ..... ¼ oz., 75c	.25	....
Compactum Nanum. × Glowing golden yellow, dark green foliage. Everbloomer, 6 in ..... 1/16 oz., 70c	.35	....

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

LOBELIA Cardinalis

LUNARIA Biennis

LYCHINIS CHALCEDONICA

Seeds of Biennials and Hardy Perennials

LINUM—Continued	Trade pkt.	Oz.
Lewisii. An exceedingly robust species with great arching sprays of fragrant blue flowers with pale blotches. 2½ ft. ¼ oz., 75c	$0.35	....
Narbonense. Azure blue, flowers with white eye, graceful habit. 30 in. ¼ oz., 75c	.35	$2.80
Heavenly Blue. The flowers are twice as large as the common Linum perenne. The color is a luminous ultramarine blue. ⅛ oz., 65c; ¼ oz., $1.10	.35	....
Lobelia Cardinalis (Cardinal Flower). Rich, fiery cardinal flowers. 36 in. ¼ oz., 80c	.25	2.80
Syphilitica. (Great Blue Lobelia). Blue Flowers streaked with white. 24 in.	.35	....
Lunaria Biennis. (Honesty). Lilac purple flowers, silvery pod. ¼ oz., 35c	.25	1.20

LILIUM REGALE

Lupinus Polyphyllus.	Trade pkt.	Oz.
Nitragin, for inoculating Lupin seed. Garden size 10c		
Albus. Large, pure white spikes. 2 to 3 ft. ¼ oz., 30c	$0.20	$1.00
Carmineus. Carmine shades. ¼ oz., 80c	.35	3.00
Coeruleus Blue. ¼ oz., 40c	.25	1.40
Roseus. Very pretty rose shades. 3 ft. ¼ oz., 80c	.35	3.00
Downer's Hybrids. Perpetual flowering hybrids. ¼ oz., 50c	.25	1.60
Russell. A marvelous selection of Perennial Lupins. Most unusual colors and color combinations; some flowers are self colors and many bicolors, the standard being of one color and the keel of another. The flowerettes are much larger than the other Polyphyllus varieties. Grown from originator stock seed. ¼ oz., 60c; ¼ lb., $6.00.	.35	2.00
Vaughan's Special Mixture. This is a choice mixture of the best perennial Lupins. ¼ oz., 40c	25	1.40
Lychnis Arkwrightii. Large flowers in brilliant colors, varying from orange-scarlet to soft salmon-pink. May. 2 to 3 ft. ¼ oz., $1.00	.35	....
Chalcedonica Salmon Queen. Beautiful salmon shade. 3 ft.	.35	....
Chalcedonica. Vivid scarlet flowers. 36 in. ¼ oz., 35c	25	1.00
Haageana Hybrida. Mixed, extra choice, 18 in. ¼ oz., 80c	.25	....
Viscaria Splendens. Early, deep rose, 16 in.	.35	....
Lythrum Roseum Superbum. Rose-purple in spikes. A good border plant. 40 in. ¼ oz., 50c	.25	1.80
Superbum, The Beacon. Excellent for moist or wet locations in the border. An English introduction of merit, produce 12 or more 3-foot upright spikes of clear rosy red which last a month or more, and are also good for cutting. ¼ oz., 75c	.35	2.60

Matricaria. (Feverfew). Double Select White (Ball's Double White). This is the one and only fully double-flowering pure white strain of Feverfew from seed. It is 98% true to this description. 18 in. grown outside, 2 to 3 ft. when grown under glass. Trade pkt., 35c; ⅛ oz., $1.00; ¼ oz., $1.75.

Matricaria Golden Ball. Striking double golden yellow.	Trade pkt.	Oz.
8 in.	$0.35	....

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

LUPINUS Polyphyllus
Russell Mixture

MATRICARIA Double Select White

PENSTEMON

	Trade pkt.	Oz.
Myosotis. See Forget-Me-Not.		
Native Wild Flowers. Mixed	$0.35	....
Nepeta Mussini. × Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. 1 ft. ⅛ oz., 65c; ¼ oz., $1.20	.35	....
Nierembergia Hippomanica (Coerulea). × The lovely lavender-blue flowers, heightened by a touch of yellow in the center, are most charming. Plants are compact, not over 5 or 6 inches tall. As an edging plant it is unexcelled, and it makes a splendid pot plant. It is a half hardy perennial which will winter over if given some protection. 1/32 oz., $1.00; 1/16 oz., $1.75	.50	....
Coerulea, Purple Robe. Similar to Nierembergia Hippomanica, except several shades deeper blue or violet-blue in color, from which it was selected. 1/32 oz., $1.65; 1/16 oz., $3.00	.50	....

ORIENTAL POPPIES

	Trade pkt.	Oz.
Oenothera. Lamarkiana. Large yellow flowers on long spikes, 2 ft.	$0.15	$0.50
Macrocarpa (Missouriensis). Large yellow flowers, fine trailer, June-Sept. 12 in. ¼ oz., $1.00	.25	....
Youngei. Large yellow bloom. 18 in. ¼ oz., 60c	.25	1.80
Pentstemon. Digitalis. White tinted violet. 36 in. ¼ oz., 80c	.35	....
Perennial Varieties. Mixed. ⅛ oz., 65c; ¼ oz., $1.10	.35	....

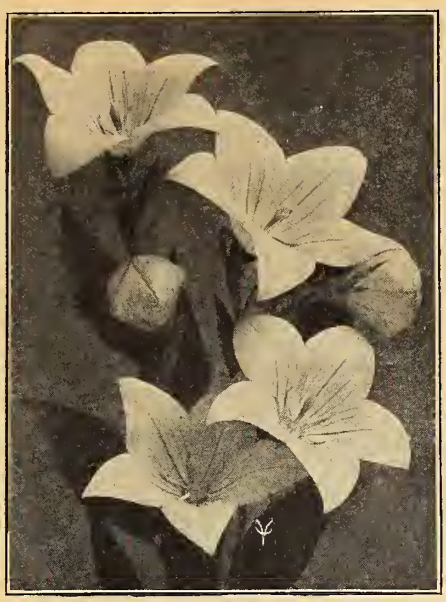
POPPY

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Burn them well until the ends are charcoal and glow red when taken from the fire. Then put them in fresh water and your Poppies will last from three days to a week in the house, or you can put them in full sun and they will stand up two or three days, or until the petals drop, without wilting.

	Trade pkt.	Oz.
Papaver Nudicaule × (Iceland). Amurense "Yellow Wonder." Large flowers of buttercup-yellow are freely produced on stems 25 inches long. Foliage is glaucous, covered with short hairs. ⅛ oz., 50c; ¼ oz., 90c	$0.25	$3.20
Coonara. Salmon, pink and rose shades. 1½ ft. ¼ oz., 65c	.25	2.20
The Emperor. Large-flowered, orange, long-stemmed. ¼ oz., 70c	.25	2.40
Gartford Giant Art Shades. This mixture is an excellent strain with exceptionally fine large flowers, beautifully fluted and soft textured, carried on extremely long heavy, wiry stems. The color range includes lovely pastel shades. ¼ oz., 65c	.25	2.20
Kelmscott Strain. The best strain, strong wiry stems when well grown, 3 ft. long, large flowers in great variety of beautiful colors. ⅛ oz., 60c; ¼ oz., $1.00	.35	....
Red Cardinal. 12 in. Brilliant cardinal red.	.25	....
Sanford's Giant Hybrids. The flowers are immense, 2½ to 3 inches in diameter. The color balance is excellent. The stems longest we have seen. Extremely free-flowering. 2 ft. ¼ oz., 65c	.25	2.20
Vaughan's Special Mixture of Iceland Poppies, containing every worthwhile strain of these beautiful and useful Poppies. ¼ oz., 80c	.25	2.80

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

PRIMULA Veris Monarch Strain



PLATYCODON

SINGLE PYRETHRUM
Robinson's Giant Hybrids Mixed

Seeds of Biennials and Hardy Perennials

POPPY—Continued	Trade pkt.	Oz.
ORIENTAL POPPY		
The named varieties of Oriental Poppies do not come entirely true from seed.		
Orientale (Oriental Poppy). Scarlet. 3 ft. . ¼ oz., 55c	$0.25	$2.00
Brilliant. Brilliant fiery red. 40 in. . . . . ⅛ oz. 80c	.35	....
Beauty of Livermere. Oxblood-red with dark blotch. . . . . ¼ oz., $1.20	.35	4.00
Mahony. Maroon-crimson. 40 in.	.35	....
Mrs. Perry. Salmon-rose. . . . . ⅛ oz., $1.00	.35	....
Perry's White. White flowers with a tinge of blush.	.50	....
Princess Victoria Louise. Flowers rather small, resembling a large tulip; perfect form; light orange-salmon. 40 in. . ⅛ oz., $1.00; ¼ oz., $1.80	.50	....
New Oriental Hybrids. From a collection of new named sorts. . . . . ¼ oz., $1.00	.35	3.50
Vaughan's Special Mixture. . . . . ¼ oz., $1.00	.35	3.50
Physostegia Virginica Rosy Spire. Three to six foot spikes of large tubular rich rose colored flowers. . . . . ⅛ oz., 80c; ¼ oz., $1.50	.50	....
Platycodon Grandiflorum. Blue, 28 in. . . ¼ oz., $1.00	.35	3.80
Grandiflorum. Album. White, 28 in. . . . . ⅛ oz., 75c	.35	....
Mixed, 28 in. . . . . ¼ oz., 70c	.30	....
Early Flowering. Giant blue. . . . . ¼ oz., 85c	.35	3.00
Mariesii. Dark blue, dwarf. 16 in. . . . . ¼ oz., 85c	.35	3.00
Alba. White and faint blue, dwarf. 16 in. ¼ oz., 85c	.35	3.00
Polemonium Coeruleum. (Jacob's Ladder). Album. White. 30 in.	.35	....
Richardsoni. Dwarf, blue, early. 20 in.	.35	....
Reptans. Flower sprays of china blue. Mounds of blossoms. 12 in.	.50	....
Polyanthus (See Primula Veris).		
PRIMULA		
Auricula. × Extra Large Flowered. Mixed, 6 in. . . . . ⅛ oz., $1.80; ¼ oz, $3.20	.75	....
Acaulis Blue. The finest obtainable being regular and rich in color. 100 seeds, 65c; 500 seeds, $2.75; 1000 seeds, $5.00.	...	....

PRIMULA—Continued	Trade pkt.	Oz.
Bulleyana. Flowers yellow, bud terra-cotta.	$0.50	....
Florindae. Fragrant, bright yellow pendent flowers. 3 to 4 ft.	.50	....
Japonica Mixed. Bright flowers borne in whorls on stems 6 to 9 in. long. . . . . ⅛ oz., $1.00	.50	....
Japonica. × Special Strain. Mixed. 20 in. . 1/16 oz., 85c	.50	....
Deep Red, new.	1.00	....
Officinalis, Cowslip, yellow. 10 in. . . . . ⅛ oz., 75c	.35	....
Sieboldii. The large rich green leaves are crinkled and scalloped and the upright stems bear a quantity of large brightly colored flowers in April and May. 9 in. They also make splendid pot-plants for the cold greenhouse. They vary from pure unmarked white, through the palest pink and deep lavender to cerise. Require partial shade and cool leaf soil . . . . . 1/16 oz., $1.00	.50	...
Veris Giant Crimson.	.75	....

PHYSOSTEGIA Virginica Rosy Spire

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

SALVIA Azurea Grandiflora (Pitcheri)

STOKESIA Cyanea

VALERIANA Garden Heliotrope

Seeds of Biennials and Hardy Perennials

PRIMULA—Continued

Colossea Mixed (Pfitzer's). The large heads of flowers are borne on very long and stiff stalks quite above the foliage and have proven to be very valuable as cut flowers for early forcing. The flowers which are freely produced are extremely large, measuring more than 1¾ inch across. The range of colors is most remarkable, including many quite new shades of lilac, pink, copper as well as the darkest red..... ¼ oz., $4.50; ⅛ oz., $2.50 — Trade pkt. $1.00 — Oz. $16.00

Monarch Mixed. Is the result of years of selection to fix a strain free from objectionable loose headed plants. The flowers are produced from a stiff and strong central stem. Strong and vivid colors are in majority, but soft art shades occur in sufficient number to create a perfect blend of colors..... ⅛ oz., $2.25; ¼ oz., $4.00 — .75 — 14.00

Grandiflora. Mixed..... ¼ oz., $3.25; ⅛ oz., $1.75 — .75 — ....

Giant Bouquet. A magnificent development of this old garden favorite, the flowers being of exceptional size, often 2 inches across. They are produced in great numbers and display an immense variety of coloring from white to cream, yellow, scarlet, purple and crimson. Borne on strong stems they are excellent for cutting, as well as making a splendid show in the garden..... 1/16 oz., $2.40 — 1.00 — ....

Giant Munstead strain. Light shades..... 1/16 oz., $1.20; ⅛ oz., $2.25 — .75 — ....

Vulgaris. × True. Yellow Primrose. 6 in..... ⅛ oz., $1.00; ¼ oz., $1.75 — .50 — ....

PYRETHRUM (Painted Daisies)

Roseum. Single mixed..... ¼ oz., $1.75; ⅛ oz., $1.00 — .50 — 5.50

Robinson's Giant Hybrids. Mixed..... ¼ oz., $3.25; ⅛ oz., $1.85 — .75 — ....

Rock Plants. Perennial Mixed..... ¼ oz., 70c — 30 — 2 40

Rudbeckia Hirta Herbstwald (Autumn tints). Well formed, large starflowers in yellow, bronze and brown shades on long, firm stems..... ¼ oz., 40c — .25 — 1.40

Purpurea (Echinacea). 4 ft..... ¼ oz., 85c — .25 — 3.00

Salvia Azurea Grandiflora (Pitcheri). Tall growth and long stalks. The deep blue flowers in long racemes..... ¼ oz., 70c — .30 — 2.40

Patens. Very large flowers, splendid blue, free bloomer..... ¼ oz., $1.40 — .50 — 5.00

Saponaria × Ocymoides Splendens. Rosy pink. Pretty border or rock plant..... ¼ oz., 65c — .25 — 2 20

Scabiosa Caucasica Alba. Pure white. 40in. ¼ oz., $1.00 — .35 — 3 60

Caucasica Perfecta. Lavender. Improved form, fringed flowers, very large and beautiful..... ¼ oz., 65c — .30 — 2.40

SCABIOSA CAUCASICA—Continued

House's New Hybrids. Flowers very large and of beautiful form, ranging in color from light azure-blue and lavender to deep blue and silvery white ..... ¼ oz., 90c — Trade pkt. $0.35 — Oz. $3.20

Goldingensis. Large flowers, waved petals, small center, deep lavender..... ¼ oz., $1.00 — .35 — ....

Vaughan's Special Mixture. All the above Caucasica types..... ¼ oz., 90c — .35 — 3.20

Sidalcea Rose Queen. Splendid rose flowers. ¼ oz., 75c — .35 — ....

New Hybrids. Mixed..... — .35 — ....

Silene Schafta. × Bright pink, trailing habit, July. 8 in. ..... ¼ oz., 65c — .25 — 2.20

Statice Latifolia. Small lavender-blue flowers in large panicles. 1 ft..... ¼ oz., 60c — .25 — 2.20

Perezii. Free-flowering lavender species. 30 in..... ¼ oz., 60c — .25 — 2.00

Puberula. Dark violet, extremely valuable pot plant for summer and fall. 4 to 6 in..... ¼ oz., 85c — .35 — ....

Stokesia Cyanea (Stoke's Aster). Large blue flowers, dwarf habit, beautiful late bloomer.... ¼ oz., 80c — .35 — 2.80

Cyanea Alba. Blush white variety. 16 in. ⅛ oz., $1.00 — .35 — ....

Sweet William. See Dianthus Barbatus.

Thalictrum (Meadow Rue). Dipterocarpum. Lovely mauve flowers in large panicles, most charming for cutting. 4 to 5 ft..... ⅛ oz., $1.00 — .50 — ....

Thermopsis Caroliniana. Yellow pea-shaped flowers in long racemes. 3 ft..... ¼ oz., 65c — .25 — 2.20

Montana. Dwarf. Pale yellow. 1½ ft..... — .35 — ....

Tritoma Hybrida, Perpetual-Flowering. Mixed. 3 ft. — .35

Hybrida Mirabilis. Blooms first year from seed — .35

Miracle Mixture. Best of all..... ¼ oz., 85c — .35 — 3.00

Pfitzer's Hybrids. Large brilliant red.. ¼ oz., 65c — .30 — 2.20

Trollius Europaeus (Golden Ball). Yellow, distinct, late bloomer..... 1/16 oz., 85c — .35 — ....

Ledebouri Golden Queen. Large flowers, petals golden orange, yellow anthers. 3 to 4 ft..... 1/16 oz., $1.20; ⅛ oz., $2.00 — .50 — ....

Mixed..... — .50 — ....

☞Soak Trollius seed in hot water 30 minutes before sowing.

Tunica × Saxifraga. A very pretty tufted plant with light pink flowers produced all summer.. ¼ oz., 65c — .35 — 2.20

Valeriana Alba white (Garden Heliotrope). 36 in. ..... ¼ oz., 65c — .25 — ....

Rubra (Coccinea). Purple rose. 36 in.... ¼ oz., 65c — .25 — 2.20

Mixed..... ¼ oz., 65c — .25 — ....

Rock plants are followed by X, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

	Trade pkt.	Oz.
Verbascum Miss Willmott. Large yellowish white flowers. 5 ft. ..... ⅛ oz., 50c	$0.25	....
Olympicum. Silvery foliage, golden yellow flowers. 6 ft. ..... ¼ oz., 90c	.35	....
Phoeniceum Hybrids. Mixed. Graceful spikes in various shades. 2 ft. ..... ¼ oz., 80c	.25	....
Verbena Bonariensis. Improved. Upright growing, slender branched stems, numerous terminal umbels of rosy lavender flowers. Germination takes full six weeks unless sown in a temperature of 75 degrees. 3 to 4 ft.	.40	....
Veronica. Incana (Candida). Ageratum-blue, silvery foliage. 12 in.	.35	....
Longifolia (Maritima). Compact clusters of blue flowers. 30 in.	.35	....
Spicata. Various shades. 1½ ft. ..... ¼ oz., 80c	.35	....
Blue Fay is larger growing than ordinary Spicata, being sort of midway between that and Longifolia subsessilis. It has the shiny foliage instead of glaucous and the color is a good bright blue, with good spikes	.50	

Viola

In most cases the true Violas are a better bedding subject than many Pansies.

	Trade pkt.	Oz.
Cornuta Arkwright Ruby. Bright ruby crimson, with central markings; velvety; fragrant. ..... ⅛ oz., $1.50; ¼ oz., $2.60	$0.50	$8.00
Avalanche. Giant pure white.	.50	....
Blue Beauty. Bright blue, early, free flowering. ...	.50	....
Blue Butterfly. Mid-blue shading to white. Resembles Pansy Beaconsfield. ..... ¼ oz., $1.20	.50	4.00
Blue Perfection. Light blue, large flowered. 8 in. ..... ¼ oz., $1.35	.35	4.80
Chantreyland. Masses of beautiful flowers in rich apricot shade, tinted orange. ..... ¼ oz. $2.25	.50	8.00
Chinese Blue is a round-faced type of Viola. Chinese Blue, according to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott... ..... ⅛ oz., $1.00	.50	....
Ilona. Wine-red.	.35	....
Jersey Gem. Compact habit, deep violet-blue. 8 in. Free flowering.	.50	....
King Henry. Rich violet blue lavender center with small yellow eye. ..... ⅛ oz., $1.00	.50	....
Lutea Splendens. Chrome yellow. 8 in. ¼ oz., $1.20	.50	4.00
Papilio. Blue and white. 6 in. ..... ¼ oz., $1.25	.35	4.00
Puck. Upper petals purple-velvet, lower clear yellow. ..... ⅛ oz., $1.00	.50	....
W. H. Woodgate. Violet-purple, large, round flowers.	.75	....
Yellow Gem. Compact habit, clear yellow flower. ..... ¼ oz., $1.20	.35	4.00
White Perfection. White. Large flowered. 8 in... ..... ¼ oz., $1.35	.35	4.80
Vaughan's Special Mixture. The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. ..... ¼ oz., $1.40	.35	5.00
Large Flowering Scotch. This strain will have large flowers. The color range is from white through all intermediate shades to purple all with two tone effect without blotches.	.50	....
Baby Delight. Early flowering, blooming in 70 days from seed. Makes compact bushy growth. The flower is lovely light blue, with a pleasing "face," about one inch in diameter.. ¼ oz., $1.50	.35	5.00
Mrs. A. H. Scott. 4 in. Top petals white, lower violet purple very bright. An excellent rock plant.	.50	....
Florariense. Beautiful lavender.	.50	....

VIOLA Cornuta. In Flower All Summer.

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

VIOLA—Continued	Trade pkt.	Oz.
Johnny Jump Up. Little Pansy faces of purple, blue and yellow. ..... ⅛ oz., 80c; ¼ oz., $1.50	$0.35	....
Helen Mount. Average height about 8" with about a 12" spread of plant. Narrow, bushy foliage. Very free blooming. Two upper petals rich violet, two smaller lower petals are lavender and the lower petal or lift is canary yellow with black lines radiating from the eye. In one of our trials, it was noted that one plant had 36 blossoms full out, with 12 past and setting seeds and dozens of buds still to open. Planted indoors in early spring and transplanted outside as soon as weather permitted, about three months would require to bring the plants into full bloom. ..... ⅛ oz., 75c	.35	$4.40
Nigra (Black Imp). Interesting and attractive little pansy, pretty small black flowers. ..... ⅛ oz., $1.00	.50	....

Viola—Various Types

Blue Elf. 9 in. The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center, small dark green foliage. Seed sown in March will begin blooming in June and continue to August. ..... ⅛ oz., $1.40; 1/16 oz., 80c	.50	....

Annual Wallflowers

Their deliciously scented flowers are a worthwhile early Spring crop when grown in a limited way. Seed sown in September and benched in due course will flower about mid-February on to April. They like rich soil and a temperature of 45 to 50 degrees.

Double Annual "Early Wonder." This remarkable Wallflower comes into bloom within five months from sowing. These must be grown in 4-inch flats; they do not like too much root room. 2 ft.

	Trade pkt.	Oz.
Double Annual Early Wonder, Mixed.. ¼ oz., 60c.	$0.25	$2.00
Annual Blood-Red.	.20	.80
Yellow, 20 in.	.20	.80

	Trade pkt.	Oz.
Yucca Filamentosa (Adam's Needle). Broad, sword-like evergreen foliage, immense branching spikes of drooping creamy white flowers. ..... ¼ oz., 70c	$0.25	$2.40

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

Summer Flowering Bulbs

FOR WHOLESALE TRADE ONLY

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

AMARYLLIS

Large Flowering Hybrids

One of the finest strains of Amaryllis we have ever seen, raised by eminent growers whose stock and hybridization for many years we have purchased in its entirety. Flowers are immense, borne as a rule four to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains.

	Doz.	100	1000
2¼-2½ inch	$2.75	$20.00	.....
2½-2¾ inch	3.50	25.00	.....

BEGONIAS

Tuberous-Rooted

Every florist should grow some of these bulbs, as they make showy plants that find ready sales in the spring and summer. Use 4-inch pots and shift later to 5 and 6-inch pots if larger plants are wanted. A compost of one part rotted cow manure to two parts loam and one part leaf mold will give good results. Water sparingly until growth is started. They like a 55-58 degree temperature at night.

	Doz.	100	1000
Single Crispa, Separate Colors:			
Small size	$1.30	$ 8.50	$ 80.00
Medium size	2.30	16.00	157.50
Large size	3.00	22.00	205.00
Double Camellia-flowered, Separate Colors:			
Small size	1.30	8.50	80.00
Medium size	2.30	16.00	157.50
Large size	3.00	22.00	205.00
Carnation-flowered, Separate Colors:			
Small size	1.30	8.50	80.00
Medium size	2.30	16.00	157.50
Large size	3.00	22.00	205.00
Pendula or Hanging Basket Type	2.30	16.00	157.50

CALADIUM ESCULENTUM

(Elephant's Ear)

Sizes			
5 to 7 inch circumference	.80	5.50	50.00
7 to 9 inch circumference	1.50	10.00	90.00
9 to 11 inch circumference	2.10	16.00	150.00
11 to 12 inch circumference	3.50	25.00	.....

APIOS Tuberosa

Splendid hardy climber. Color chocolate brown, fragrant. 2-4 bulbs should be planted together at a depth of 3-4 inches. Grows best in loose rich soil ..... .95 6.50 60.00

CALLAS ELLIOTIANA

Yellow. 2 to 2½ inches ..... 2.00 15.00 .....

CINNAMON VINE

Well-known hardy climber; quick grower ..... .60 4.00 35.00

GLOXINIAS

	Doz.	100	1000
Small size	$2.75	$20.00	.....
Medium size	3.50	25.00	.....
Large size	4.50	30.00	.....

HYACINTHUS CANDICANS

Summer Hyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

	Doz.	100	1000
1½ to 2 inches	$0.65	$4.50	$40.00
2 inches and up	.95	6.50	60.00

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy .. 2.20 16.00 .....

MADEIRA VINE

One of the best and most popular climbers for foliage effect.

2 to 3 inches	.60	4.00	35.00
3 inches and up	.80	5.50	50.00

MILLA BIFLORA

Stars. Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September. Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates 1.15 7.50 70.00

MONTBRETIAS

They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange and scarlet. They do best in a light loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply.

	Doz.	100	1000
Regular Mixed	$0.90	$6.00	$55.00
Earlham Large-Flowered Hybrids, Mixed. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches	1.15	7.50	70.00

OXALIS

Summer-Flowering. Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink..... ..... 1.90 16.00

TIGRIDIA

Shell Flower of Mexico. Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb.

	Doz.	100	1000
Separate Colors	$0.90	$6.00	$55.00
Mixed	.75	5.00	45.00

ZEPHYRANTHUS

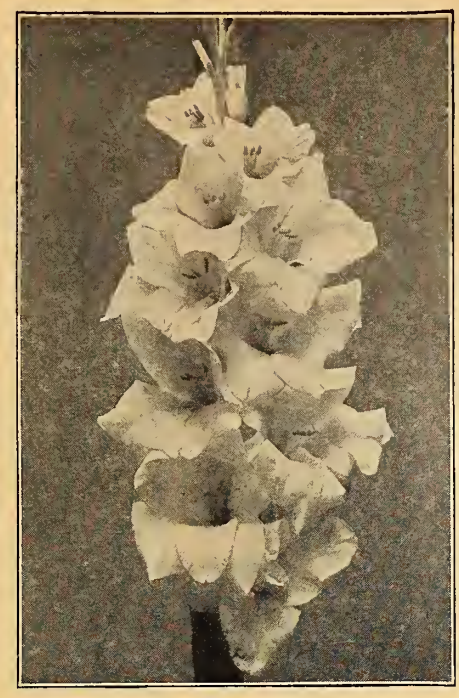
One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

	Doz.	100	1000
Candida White	$0.45	$3.00	$25.00
Rosea Pink	.65	4.50	40.00

DOUBLE BEGONIA

ISMENE CALATHINA

RED PHIPPS



DEBONAIR

MAID OF ORLEANS

MARGARET FULTON

Vaughan's Gladioli

The Gladiolus situation this year with regard to labor in harvesting and cleaning is somewhat improved over last year, but stocks have not increased enough as yet to say there will be plenty for all. With so many early booked orders on file, we would say, "Get your orders in early from this book" and please allow us to send good substitutes in case we are out of the variety you order. The variety Picardy is still short in supply because of a rot which developed a few years ago.

	100	1000
BAGDAD. Smoky old rose. **First Size**	$4.50	$40.00
Second size	4.00	35.00
BEACON. Salmon-scarlet. **First size**	5.50	50.00
Second size	4.75	43.00
BETTY NUTHALL. Light coral, pale orange throat.		
Fist size	4.50	40.00
Second size	4.00	35.00
BERTY SNOW. Lavender. **First size**	4.50	40.00
Second size	4.00	35.00
CHARLES DICKENS. Violet purple. **First size**	5.50	50.00
Second size	4.75	42.00
CORONA. New light pink with creamy-white throat.		
First size	8.00	75.00
Second size	7.00	65.00
DEBONAIR. La France pink. **First size**	4.75	42.00
Second size	4.25	37.50
DR. F. E. BENNETT. Gigantic red. **First size**	4.75	42.00
Second size	4.25	37.50
ETHEL CAVE-COLE. New large light pink.		
First size	6.50	60.00
Second size	5.50	50.00
FLAMING SWORD. Scarlet, early. **First size**	4.00	35.00
Second size	3.50	30.00
FAIREST PEARL. Pure white. **First size**	4.50	40.00
Second size	4.00	35.00
GOLD EAGLE. Tall, deep yellow. **First size**	4.50	40.00
Second size	4.00	35.00
GOLDEN DREAM. Clear, deep yellow. **First size**	4.50	40.00
Second size	4.00	35.00
LULU HUNT. Geranium-pink blending to shrimp center. **First Size**	4.50	40.00
Second Size	4.00	35.00
MAID OF ORLEANS. Milky white, cream throat.		
First size	4.50	40.00
Second size	4.00	35.00
MARGARET BEATON. White with orange-red blotch in throat. **First size**	6.00	55.00
Second size	5.00	45.00
MARGARET FULTON. Rose-salmon. **First size**	4.50	40.00
Second size	4.00	34.00
MINUET. Large, light lavender. **First size**	5.50	50.00
Second size	5.00	45.00
MISS BLOOMINGTON. Deep lemon-yellow.		
First size	$4.50	$40.00
Second size	4.00	35.00
PEGGY LOU. Shrimp pink. **First size**	5.00	45.00
Second size	4.50	40.00
PELEGRINA. Deep blue. **First size**	5.00	45.00
Second size	4.50	40.00
PICARDY. Delicate apricot pink.		
Second size	5.00	45.00
Third size	4.00	36.00
RED PHIPPS. Really a pink overland scarlet.		
First size	4.75	42.00
Second size	4.25	37.50
ROSA VAN LIMA. Bright pink with light throat.		
First size	5.00	45.00
Second size	4.50	40.00
SHIRLEY TEMPLE. Large ruffled cream white.		
First size	5.00	45.00
Second size	4.50	40.00
SNOW PRINCESS. A very fine white. **First size**	5.50	50.00
Second size	5.00	45.00
VAGABOND PRINCE. Mahogany brown with flame blotch. **First size**	5.00	45.00
Second size	4.25	37.50
STANDARD MIXED. Not a field grown mixture, but blended thoroughly after harvest. All good, standard sorts. **First size**	4.00	35.00
Second size	3.50	30.00

EXTRA FINE MIXTURE

	100	1000
A mixture of fine, popular, higher priced varieties, containing a fine range of colors. **First size**	$4.50	$40.00
Second size	4.00	35.00

DE LUXE MIXTURE

Put up 100 to the bag, to assure a splendid mixture. All high class, superfine varieties. **First size**	5.50	50.00
Second size	5.00	45.0

Perennial Plant Specialties

We list and describe below plants of perennials which are much in demand, including most recent introductions. All in strong pot plants or one-year field roots except as noted. Less than 5 at double the rate per 10; 5 or more at the 10 rate; 25 or more a the 100 rate.

ARTEMISIA Silver King

AQUILEGIA

Dobbie's Imperial Hybrids. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. 10, $2.00; 100, $15.00.

Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. 10, $2.00; 100, $15.00.

Long-Spurred Crimson Star. The brightest red Columbine, long spurs and outer petals rich crimson, center petals white. Three-inch flowers on 2-foot stems. 10, $2.25; 100, $18.00.

ARTEMISIA

Silver King. Bright silver-colored stems and foliage are of great value for florists' fillers, can also be dried for winter use. 10, $2.25; 100, $18.00.

Silver Queen. Like Silver King, but sturdier in growth, producing stronger and longer stems. A larger, bushier plant. 10, $2.00; 100, $15.00.

HARDY ASTERS

Harrington's Pink. First true pink hardy Michaelmas daisy. Large flowers of luminous salmon pink on bushy plants. 3 ft. tall. 10, $2.25; 100, $18.00.

Beechwood Challenger. Erect grower producing brilliant crimson-red flowers; fine for cutting or landscape use. 10, $2.00; 100, $15.00.

Blue Gown. Finest late blue variety. Huge blossoms of deep blue on tall arching stems. Ideal for cutting. 10, $2.25; 100, $18.00.

Palmyra. Medium height; semi-double, pure pink flowers making up into perfect pyramids. 10, $2.25; 100, $18.00.

Red Rover. Flowers are as near pure red as possible. Compact habit, free blooming from Sept. to frost. 10, $2.25; 100, $18.00.

BOLTONIA

Snowbank. This variety grows tall and stands solidly without staking at all. Beautiful snow-white flowers are abundantly produced on strong, erect stems through Sept. and Oct. 10, $1.75; 100, $12.00.

BUDDLEIA

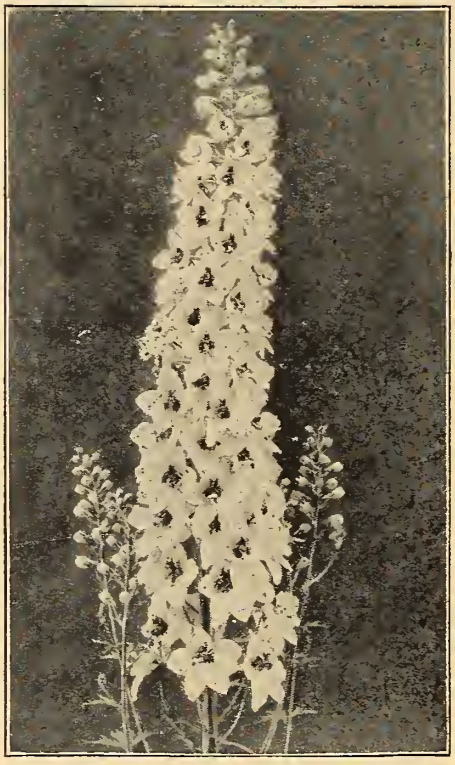
Charming. Long sprays of lavender pink, blooms from August till frost. An ideal cut-flower for summer work. 10, $3.00; 100, $22.00.

Royal Red. Sensational new red. 10, $3.50; 100, $25.00.

Orchid Beauty. Soft cattleya-orchid with a brilliant orange eye. 10, $3.50; 100, $25.00.

Hardy Carnation

Crimson King. 2 ft. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. 10, $2.00; 100, $15.00.



DELPHINIUM Giant Hybrids

DELPHINIUM

Giant Hybrids. Immense flowers tightly set on strong, whippy stems, the best strain so far produced, for either cut flowers or garden display. Mixed. 10, $1.75; 100, $12.50.

DIGITALIS

New Princess Pastels. A fine assortment of pastel shades. 2¼" Pots—Per 10, $2.25; Per 100, $18.00.

EUPHORBIA

Corollata. Tall growing plant, covered from June to August with loose umbels of pretty white flowers; a perfect misty filler when fillers are scarce. Florists find this very valuable when Gypsophilas are off crop. 10, $1.75; 100, $12.50.

GAILLARDIA

Burgundy. Shining deep wine red showing practically no yellow. 2¼" Pots—Per 10, $2.00; Per 100, $15.00.

GYPSOPHILA

GYPSOPHILA PANICULATA

Bristol Fairy (Double Baby's Breath). Blooms much earlier than Paniculata fl. pl. and produces a second crop of spikes after the first have been cut. Grafted plants. 10, $3.50; 100, $25.00.

HELIANTHUS

Loddon Gold. Double golden yellow Chrysanthemum-like flowers. Aug.-Sept. 4 ft. tall. 10, $2.50; 100, $18.00.

MONARDA or BERGAMOT

Dahliatown Orchid. A novelty of great merit. Grows to a height of 2½ to 3 feet and produces charming orchid-pink flowers in July. Per 10, $2.00; Per 100, $15.00.

PENTSTEMON

Firebird. The flowers are foxglove-like in size, on stems about 18 to 24 inches tall, and are a most beautiful ruby-crimson. The plant is easily grown, is free from insect pests, flowers freely, creates a lovely effect in the flower garden, and is a cut flower par excellence. 10, $2.00; 100, $15.00.

Garnet. Of spreading habit and produces a succession of bloom from June until stopped by frost. The Gloxinia-like flowers are a rich garnet color, and are gracefully placed on stems 12 to 18 inches tall. The plants have from six to a dozen spikes continually throughout its flowering season. Flowers are excellent for cutting and last a week or more in water. 10, $2.00; 100, $15.00.

VINCA Minor (Grave Myrtle)

Bowles Variety. A new European form, larger and glossier leaves and flowers. The plant stays in bloom much longer and the flowers are a charming intense shade of periwinkle blue. 10, $2.00; 100, $15.00.

VIOLET

Royal Robe. Lustrous violet blue, very fragrant, opens like pansy. 10, $2.50; 100, $18.00.

Frey's Fragrant. Large single fragrant purple, long stems. Good for outdoors or forcing under glass. 10, $2.25; 100, $18.00.

Double Russian. A perfectly hardy variety, producing heavy, double, sweetly scented blue flowers in abundance. Grows well in shady locations. 2½" Pots—Per 10, $2.50; Per 100, $20.00.

ACHILLEA

BUDDLEIA Butterfly Bush

HARDY ASTER

General List of Perennial Plants

All Perennials Are Furnished in Strong Pot Plants or One-Year Field Roots, except as noted below.
Five or more of one variety at the ten rate. Twenty-Five or more at the hundred rate.
No orders filled for less than 5, of a variety.

	10	100
ACHILLEA. Boule de Neige. White	$1.75	$12.00
Tomentosa Aurea. Yellow	1.75	12.00
AJUGA. Reptans Variegata. Light blue	2.00	15.00
ALYSSUM. Saxatile Compactum. Dwarf yellow	1.75	12.50
ANCHUSA. Myosotidiflora. Blue	2.00	15.00
ANTHEMIS. Moonlight. Yellow. 2½ ft.	2.00	15.00

AQUILEGIA

Crimson Star. Crimson with white corolla	2.25	18.00
Mrs. Scott Elliott's Hybrids. Mixed	2.00	15.00
Dobbie's Imperial Hybrids. Mixed	2.00	15.00
ARTEMISIA. Silver King. Silver stems and foliage	2.25	18.00
Silver Queen. A good filler	2.00	15.00

ASTERS

Beechwood Challenger. Crimson red	2.00	15.00
Blue Gown. Deep blue	2.25	18.00
Climax. Lavender blue	2.00	15.00
Harrington's Pink. True pink	2.25	18.00
Mt. Everest. White	2.00	15.00
Palmyra. Pink	2.25	18.00
Red Rover. Rosy Red	2.25	18.00
Violetta. Novi-Belgi. Blue	3.00	22.50
BOLTONIA. Snowbank. White	1.75	12.00
BUDDLEIA. Orchid Beauty. Orchid with orange eye	3.50	25.00
Charming. Best pink	3.00	22.00
Royal Red. Brilliant red	3.50	25.00
Ile de France. Rosy purple	3.50	25.00
CARNATION. Crimson King. Bright red	2.00	15.00
Grenadin. Mixed	1.75	12.50
CAMPANULA. Media. Mixed	1.50	10.00

CHRYSANTHEMUM MAXIMUM (Shasta Daisy)

	10	100
Alaska. Large white, yellow eye	$1.75	$12.00
White Swan. Double, pure white	2.00	15.00
Diener's Giant Hybrids. Vary from doubles to singles	2.00	15.00
Mount Shasta. Sturdy double white	3.50	27.50

HARDY CHRYSANTHEMUMS

Algonquin. Large bright yellow	1.75	12.00
Autumn Tide. Burnt orange and vermilion	4.00	30.00
Avalanche. Large white	2.25	18.00
Burma. Glistening bronze	3.50	25.00
Crimson Glory. Crimson pompon	2.50	20.00
Cydonia. Rich orange red	1.75	12.00
Dahlia Flower. Deep dark red	2.50	20.00
Early Joan Helen. Large semi-double purple	4.00	30.00
Early Wonder. Peach blossom pink	3.00	25.00
Eureka Giant. Huge orange bronze	2.50	20.00
Eugene A. Wander. Large golden yellow	2.25	15.00
Golden Charm. Dark yellow	2.25	18.00
Irene. True white pompon	1.75	12.00
Lavender Lady. Lovely true lavender	2.00	15.00
Mandalay. Orange bronze	3.50	25.00
Martins New White. Large double white	3.50	30.00
Mrs. Pierre S. Du Pont III. Soft peach, salmon tinted	2.00	15.00
Pink Charm. Pink with yellow center	2.25	18.00
Rembrandt. Rosy mauve pompon	3.00	25.00
Ruby Pompon. Ruby crimson	3.00	22.50
September Bronze. Golden bronze	2.25	18.00
Sequoia. Amber Korean hybrid	1.75	12.00
Silver Tip. Double carmine	2.25	18.00
Symphony. Mauve and coppery rose	2.00	15.00
Treasure Trove. Lemon yellow	1.75	12.00
White Knight. Shaggy, clear white	3.50	30.00

We are able to furnish many items which we are unable to list here. Please ask for quotation on your perennial requirements

SHASTA DAISY Diener's Giant Hybrid

TRITOMA Pfitzeri

VERONICA (Speedwell)

PERENNIAL PLANTS—Continued

CUSHION MUMS

	10	100
Champion. Dark reddish bronze	$2.25	$17.50
Commander. Red daisy-like, yellow center	2.25	17.50
De Luxe Red. Double bright red	2.25	18.00
Harvest Gold. Fine golden yellow	2.25	18.00
Lavender Lassie. Lavender pompon	3.00	22.50
Little Bob. Bronze crimson pompon	2.25	18.00
Major Cushion. Bright salmon pink	2.00	15.00
Marjorie Mills. Crimson	2.50	20.00
Sunbeam. Buttercup yellow pompon	3.50	25.00
Yellow Mound. Double golden yellow	2.50	20.00

DEAN KAY MUMS

Dean Kay. Rose pink	2.00	15.00
Dean Ladd. Double reddish bronze	2.25	18.00
My Lady. Double orange yellow	2.25	18.00
Yellow Dean Kay. Bright golden	2.25	18.00

SPOON MUMS

Golden Spoon. Clear yellow	2.25	17.50
Jasper Spoon. Bronze red	2.25	17.50
Orchid Spoon. Large orchid	2.25	17.50
Rose Spoon. Shining rose	2.25	17.50
Pink Spoon. Pink	2.00	15.00
Yellow Spoon. Yellow	2.00	15.00
DELPHINIUM. Pacific Giant Hybrids. Mixed	1.75	12.50

DIANTHUS

Plumarius. Mixed	1.75	12.00
Meg Gardner. White with crimson center	2.00	15.00
Tiny Rubies. Rose pink	2.25	18.00
Old Spice. Salmon pink	2.25	18.00
DIGITALIS. Giant Shirley Hybrids. Mixed	2.00	15.00
New Princess Pastels. Mixed	2.25	18.00
EUPATORIUM. Coelestinum. Lavender blue	1.75	12.50
EUPHORBIA. Corollata. White	1.75	12.50
FUNKIA. Undulata Variegata	2.00	15.00
GAILLARDIA. Burgundy. Wine red	2.00	15.00
Grandiflora. Mixed	2.00	15.00
GYPSOPHILA. Bristol Fairy. Double white	3.50	25.00
Repens Bodgeri. Double white	2.25	18.00
Rosy Veil. Pink	2.25	18.00
HELIANTHUS. Coronation. Double rich yellow	2.25	18.00
Loddon Gold. Bright yellow	2.50	18.00

HEMEROCALLIS

	10	100
Amaryllis. Golden orange	$2.25	$18.00
Apricot. Pure apricot	2.25	18.00
Flava. Lemon yellow	1.50	10.00
Fulva. Coppery orange	1.50	10.00
Geo. Yeld. Orange and bronze	2.25	18.00
Kwanso Fl. Pl. Golden bronze	2.00	15.00
Mikado. Orange and mahogany red	2.25	18.00
Peggy Perry. Scarlet orange, lemon center	2.25	18.00

HEUCHERA. Select Red Shade hybrids	2.50	20.00
HOLLYHOCKS. Charter's Double. Mixed	1.75	12.00
LAVENDULA. Vera. Blue	2.00	15.00
LIATRIS. September Glory. Purple	2.00	15.00
LINUM. Perenne. Pale blue	1.75	12.50
LOBELIA. Cardinalis. Fiery cardinal	1.75	12.50
MONARDA. Dahliatown Orchid. Orchid pink	2.00	15.00
PACHYSANDRA. Japanese Spurge	1.75	12.00
PENTSTEMON. Garnet. Rich red	2.00	15.00
Firebird. Cherry red	2.00	15.00
PHYSOSTEGIA. Rosy Spire. Rosy crimson	1.75	12.50
PHLOX SUBULATA. Atropurpurea. Deep red	2.00	15.00
Dixie Brilliant. Rosy red	2.00	15.00
Divaricata Canadensis. Lavender	2.00	15.00
POLYGONATUM. Multiflorum	2.50	20.00
POTERIUM. Obtusum	2.50	20.00
STATICE. Latifolia. Purplish blue	2.00	15.00
STOKESIA. Blue Moon. Silvery blue	2.25	18.00
THERMOPSIS. Caroliniana. Yellow	2.00	15.00
VINCA MINOR. Bowles Variety	2.00	15.00
TRITOMA. Pfitzeri. Rich orange	2.00	15.00
VERONICA. Incana. Deep blue	2.00	15.00
Teucrium Royal Blue. Rich dark blue	2.00	15.00
VIOLET. Double Russian. Double blue	2.50	20.00
Frey's Fragrant. Purple	2.25	18.00
Princess of Wales. Sweet-scented purple	2.00	15.00
Rosina. Soft pink	2.25	18.00
Royal Robe. Deep violet blue	2.50	18.00

Greenhouse Plant Department

CALADIUMS—Vaughan's Special Fancy-Leaved

Choice dormant bulbs for January and February delivery. Large variety named sorts. This is one of the most decorative plants for greenhouse growing, window boxes or show plants. Rich, ornamental leaves, handsomer than Begonias; marbled, veined and striped with white, pink and dark red.

Our mixture of named sorts is probably the best to be had. We have graded them especially for good size bulbs of the finest varieties.

We find an increasing demand for caladiums; pot plants sell readily from early spring until late summer.

FANCY-LEAVED CALADIUM

	Doz.	100	1,000
Rainbow Mixed	$2.50	$15.00	$140.00
Named Varieties. Our selection	2.50	17.00	150.00
Named. Your selection of varieties	2.75	19.00	160.00
Unusual and rare varieties. All named	3.00	20.00	170.00

AFRICAN VIOLETS

Saintpaulia

Blue Boy. 2¼ inch	20.00	.....
The following two varieties sold under license agreements.		
Blue Girl. Sport of Blue Boy of same color but improved growth. 2¼ inch	25.00	.....
Pink Beauty. A pink Sport of Blue Boy. (No shipments less than 100). 2¼ inch	25.00	.....

AZALEAS

For Growing On

Spring delivery, 1946, f.o.b. Florida, Coral Bell, Hexe, Lorraine, Salmon Beauty, Hino, Snow, Pink Pearl—5 per cent Sweetheart Supreme.

	100	1,000
Rooted Cuttings	.....	$50.00
Transplants, Strong—3 to 5 branched plants	.....	100.00
Transplants, Heavy—5 to 10 branched plants	.....	125.00
Transplants, Triomphe—2 to 3 branched plants	.....	175.00

Larger Sizes for Growing On

Spring delivery, 1946 f.o.b., Dayton, Ohio.
Same Varieties Above.

3 to 5 ins.	$20.00	.....
4 to 6 ins.	30.00	.....
6 to 8 ins.	50.00	.....
8 to 10 ins.	75.00	.....
10 to 12 ins.	100.00	.....

Budded Dormant Stock

Well grown, heavy budded plants for October delivery, 1946.
Same Varieties Above. f.o.b., Dayton, Ohio.

4 to 6 ins.	$50.00	.....
6 to 7 ins.	75.00	.....
7 to 8 in.	100.00	.....
8 to 10 ins.	125.00	.....
10 to 12 ins.	150.00	.....
12 to 14 ins.	200.00	.....

Limited Quantity Belgian Indicas Own Root

Can furnish in quantity up to 15% of order. Triomphe, Paul Schame, Jean Haerens, Van Der Cruyssen, Eclaireur.

6 to 8 ins.	$ 1.00 Each	.....
8 to 10 ins.	1.25 Each	.....

Potted Coral Bell for Christmas Flowering

Shipping Date November 15th.

5 ins.	$1.00 Each
6 ins.	1.50 Each
7 ins.	2.00 Each

ASPARAGUS Plumosus Nanus or Sprengeri

	Per 100	Per 1,000
Seedlings	$3.00	$28.00
2-inch	8.00	75.00

BEDDING PLANTS FOR SPRING

AGERATUM. No RC orders less than 100	100	1,000
Riverside Imp. Dwarf, large head of bloom. Rooted Cuttings	$ 2.00	$18.00
Purple Beauty. Dwarf. Rooted Cuttings	2.00	18.00
2¼" on all of the above	5.00	45.00
LANTANAS. All the best colors 2¼"	8.50	80.00
VERBENA. Schlosser's Pride, Schlosser's Rose, Schlosser's Orchid, Scarlet King, Mayflower, Helen Wilmott, Lavender Glory, Royal Purple, White, Beauty of Oxford, cerise, Beauty of Oxford, pink, Beauty of Oxford, scarlet, Beauty of Oxford, lavender		
Rooted Cuttings	2.25	20.00
2¼"	5.50	50.00
Coleus. Standard varieties, 2¼"	6.00	.....

BEGONIA

Standard Varieties. 2¼-inch	10.00	95.00
Lady Mac and Marjorie Gibbs. 2¼-inch. **Write for Prices.**		

CALCEOLARIAS

Multiflora Nana, Ramona, and **Perfect Model, Imp.,** 2¼-inch	16.00	150.00
Pink Beauty, Stewartii, Pure Flame, Cherry Queen and other hybrids	24.00	.....

CANNAS

Dormant Roots ready for January 1st.

King Humbert. 4 ft. scarlet flowers, bronze leaves, greatest favorite today	6.50	60.00
Yellow King Humbert. 4 ft. An orchid flowering sport of the well known variety King Humbert	6.50	60.00
The President. 4 ft. In color a rich glowing scarlet with immense rounded flowers 7" across when fully open, produced on strong, erect stems well above the large green foliage	6.50	60.00
Hungaria. 3½ ft. Very compact, almost dwarf, and of luxuriant growth. Leaves bluish green, never burn. Flowers LaFrance pink	6.50	60.00
City of Portland. 3½ ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink. Dormant roots	6.50	60.00

Choice Varieties

Copper Giant. 3½ ft. Much admired in our Western Springs planting. Large attractive blooms of a coppery madder red in big clusters on stout stems; green foliage. Exceptionally free-flowering and stocky growth. If you do not know this variety, give it a trial	$9.00	$80.00
Dorothy S. A new dwarf, continuous flowering, clear salmon red canna. A sport of President. Produces large flowers and grows 4 ft. tall. Very vigorous and drought-resistant	8.00	70.00
Eureka. 4 ft. Remarkably free-flowering variety, and with its striking white flowers which first appear cream, makes a very effective show in conjunction with a good scarlet such as King Humbert. Dormant roots	11.00	100.00
Florence Vaughan. Giant flowers of vivid golden yellow sprinkled with fine red dots, borne on strong 4 foot stems. Green foliage	8.00	70.00

CARNATION Virginia Dare

This is an extra large and very full-bodied sport of Virginia. Production, keeping quality, color and other characteristics, including non-splitting, identical with Virginia. Awarded Silver Medal at National Flower Show 1941; Special first prize at 1942 National Flower Show, and first prize at 1942 Northwest Flower Show.

Sold only under propagating agreement.

Price: $20.00 per hundred; $175.00 per thousand; 250 at 1000 rate.

Greenhouse Plants

CARNATIONS

WHITE — Rooted Cuttings.	100	1,000
Northland	$20.00	$150.00
Arundel	12.00	100.00
Olivette	8.50	75.00
White Fisher	8.50	75.00
Puritan	7.00	60.00
LIGHT PINK		
Virginia Supreme	15.00	125.00
Hercules Virginia	15.00	125.00
Virginia	8.50	75.00
Blush Fisher	8.50	75.00
MEDIUM PINK		
Virginia Rose	8.50	75.00
Peter Fisher	8.50	75.00
DEEP PINK		
Virginia Miller	15.00	125.00
D. P. Fisher	8.50	75.00
John Briry	8.50	75.00
SALMON PINK		
Charm (Patented)	20.00	150.00
Salmon Virginia	12.00	100.00
CRIMSON		
Mrs. C. W. Weld	12.00	100.00
MISCELLANEOUS COLORS		
Ingram's Coronet (White Var.)	15.00	125.00
Miller's Yellow	12.00	100.00
Pelargonium	12.00	100.00
Scarlet King	12.00	100.00

MINIMUM ORDER 100 CUTTINGS OF ONE VARIETY
250 AT THE 1000 RATE

Sorry we can accept no orders specifying delivery date. All orders will be shipped in rotation, in the order in which they are received, beginning in November, then discontinuing during most of December, and resuming in January. This is planned to avoid the period of holiday shipping congestion.

CINERARIAS

	100	1,000
Cremer's Prize Mixture. 2-inch	$10.00	$95.00

CYCLAMEN

Write for quotations on the sizes that you require.

DISH GARDEN PLANTS

Write for special quotations on succulents, cacti and small plants.

Here are some of the kinds we have in real quantity, at $4.00 per 100, $35.00 per 1,000:

Aloe Hum-vir (Needle Aloe),
Aloe Nobilis (Gold Toothed Aloe),
Echinopsis hybrids (Easter Lily Cactus),
Cactus Dog Tails (Animal Tails),
Chamaecereus Silvestri (Peanut Cactus),
Faucarias, assorted (Tiger Jaws),
Gasteria hybrids (Duck Wings),
Harrisia Eriophora, tall, columnar,
Hereroa Neli (Shriner's Plant),
Opuntia Cylindrica (Emerald Idol),
Opuntia Mammillata (Boxing Glove),
Opuntia Microdasys (Rabbit Ears),
Opuntia Microdasys, miniature (Bunny Ears),
Opuntia Monacantha (Irish Mittens),
Opuntia Monacantha buds (India Bonnet),
Pleiospilos Bolusi (African Living Rock),
Portulacaria Afra Variegata (Rainbow Bush).

FERNS

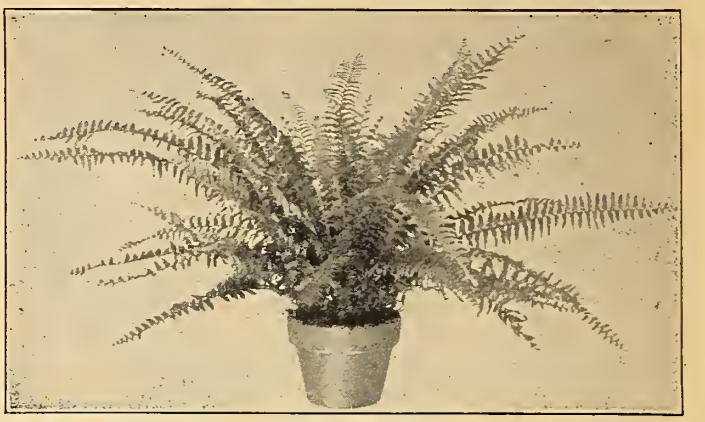
	100	1,000
Table Ferns. Ass't varieties, seedlings	5.50	50.00
Boston Ferns. 3 inches	9.50	.....
Boston Ferns. 4 inches	12.00	.....

FUCHSIAS

Write for Quotations on Standard Varieties.

GERANIUMS

	25	100	1000
Lady Esther. A distinctive new seedling of great merit. It is a good grower, which blooms early and profusely. It propagates easily. Its foliage is well marked and the cream-colored main stem, leaf and flower stems make a striking contrast with the medium-dark red flowers, 2 ¼ inches	$5.00	$12.50	$120.00
Brooks Red, Olympic, Pink Fiat, 2¼ in.	5.00	12.50	120.00
Red Fiat, Ricard, Wyona, Radio Red, Lorelei, Poitevine, Buchner. 2¼ in.	3.50	10.50	100.00



BOSTON FERN

HYDRANGEAS FOR FORCING

Dormant plants ready November and December.

Rooted Cuttings and small pot plants for spring delivery. Write for prices.

	Rooted cuttings	2-inch	3-inch
Regula, Norwood, Strafford per 100	$20.00	$30.00	$40.00
Altoona, Hamburg, Kuhnert, Rosabelle, Europa per 100	12.00	18.00	25.00
Ami Pasquaar, Louis Savage per 100	10.00	15.00	20.00
G. Glahn, Goliath, M. Baardse, M. Foch and others per 100	6.00	10.00	18.00

PELARGONIUMS

Azalea	Springtime	German Glory
Edith North	Lucy Becker	Gardener's Joy
Orchid Edith North	Lavender Queen	Easter Greeting
Marie Vogel	Santa Monica	Mrs. Layal
Grossmama Fisher	Edith Cavell	Beverly Hills
Mackensen	Mrs. Mary Bard	MacKay No. 2
Salmon Springtime	MacKay No. 10	Mrs. F. Bachler
Diener's Giant	Pink Vogel	MacKay No. 12

2 inch 100, $16.00; 1000, $155.00
3 inch 100, 22.00; 1000, 210.00

DOUBLE PETUNIAS

	100	1000
New Rosalie 2¼ in.	$15.00	$140.00
World Beauty 2¼ in.	15.00	140.00
Loveliness 2¼ in.	15.00	140.00

POINSETTIAS

STOCK PLANTS. Albert Ecke, Variegated Ruth Ecke, and Ecke's White. $35.00, $50.00, $60.00, $80.00 per 100.

Mrs. Paul Ecke, Oak Leaf, Ruth Ecke, Barbara Ecke, St. Louis, Early White and Pink, $25.00, $35.00, $50.00, $70.00 per 100.

Orders must be placed early. Prices are f.o.b. Chicago only on orders placed early.

VINCA

Variegata. 2¼ in.	$10.00	$95.00

Prices are F.O.B. Shipping Point.

We assume no transportation risk after shipping in good order. Should customers have any cause for rejecting plants, we would suggest that they be accepted under protest, and particulars telegraphed us at once.

Soft plants are not shipped to distant points by freight.

Billing—50 of any one variety at the 100 rate; 250 at the 1000 rate, except as noted.

Packing will be charged on all orders at cost.

No C. O. D. Shipments.

All foregoing prices subject to change without notice.

BITTERSWEET

TRIANON

RIVIERA

Vaughan's Chrysanthemum Rooted Cuttings

FOR THE 1946 SEASON

We are offering rooted and unrooted cuttings of 300 chrysanthemum varieties which will be available beginning January 1. We suggest that orders be placed early, as usual consideration for shipment shall be determined by the date order is received. When ordering please indicate earliest date you wish to receive shipment. Be specific.

TERMS OF SALE

1. The **minimum total order** that can be accepted is **250 cuttings.**
2. **Fifty of each variety** is the **minimum** that can be supplied.
3. More than **50** of a variety must be in **multiples of 50.**
4. Quantity discounts will be allowed on each order for more than 10,000 cuttings as follows:

10,000 to 24,950	2½%
25,000 to 49,950	5%
50,000 to 99,950	7½%
100,000 to 249,950	10%
250,000 up	12½%

SHIPPING INFORMATION

All our stock is shipped by Express COLLECT. All cuttings must be in perfect condition before being inspected and accepted by the Express Company. Therefore, if there is any damage enroute from being broken, heated, or frozen, call your express agent to inspect the same, marking on express receipt the condition of the package and amount of damage, etc. You must file claim, as our responsibility ceases when Express Co. accepts shipment.

1946 NOVELTIES

MARGARET MOELLER (Yoder Bros.). A clear white standard that matures December 10, following December Glory and just preceding Smith's Late White. It is a very formal, tightly incurved flower and possesses excellent substance. The growth habit is clean and vigorous with beautiful foliage carried well up to the flower. The medium-sized stems are extremely rigid. Its shipping and keeping qualities are unequalled by any standard in its season. This variety responds well in either raised or ground beds. However, it is especially suited to ground bed culture, and attains its largest size and greatest commercial value when handled in this manner. By the application of electric lights, this variety can easily be delayed for Christmas and later flowering. **Price $100.00.**

IVANHOE (Yoder Bros.). A small reddish bronze mum, especially suited for early cloth house culture. The flower is decorative in form, similar but more formal than Glitters. Its hard substance gives it unusual shipping quality. Foliage is small and is carried right up to the bloom. Stems are rigid and must be disbudded to a single flower. Like the Mandel varieties, it is vigorous and consistently produces a uniform crop. Because of its free breaking habit, it will stand fairly close cropping and still produce uniform stems.This same quality results in well-shaped plants when grown in pots. Ivanhoe holds its color well under early shade when good bronze disbuds command a premium market. Its natural season is November 1st. **Price $100.00.**

GOLDEN EMBLEM (De Petris). Medium-sized clear yellow pompon that blooms normally the end of November. The flowers are produced on well-spaced sprays and are of close compact form with very good substance. It combines good quality with good production and disease resistance. Good results are obtained either in ground or raised benches. It will not produce blind growth so common in late varieties. Maturing the latter part of November, Golden Emblem will be found to be a welcome addition to yellow pompons in that season where quality and easy growth is combined with good production. **Price $100.00.**

NAVAHO (Yoder Bros.). A medium-sized deep crimson, decorative pompon which changes to a reddish bronze under early shading. It responds well to black cloth and fills a great need for a cloth house variety in its color range. It is at its best when growth is kept soft, plants are generously spaced, and its crop limited to 3 or 4 stems per plant. When so grown, it is undoubtedly the best red pompon for cloth house culture. **Price $50.00.**

CASSANDRA (De Petris). A bright orange bronze pompon that is a distinct advance in color for its season of November 10. It has fully-rounded form and good substance. Cassandra has proven an excellent variety for cloth house shade, producing an early crop with little fading. Its cultural requirements are identical with Mrs. Bulkeley and Rev. Bushnell. **Price $50.00.**

RIVIERA (Yoder Bros.). A luminous pink decorative pompon blooming normally about December 10, just nicely following Minuet. This variety finishes beautifully, maintaining its color and form much better than existing varieties that bloom at the same season. The flower is showy and of good substance. Its heavy petallage permits an extended season of cutting. The growth is vigorous, of medium height and high production. The spray resembles that of Snow, being extremely rigid and well branched. With the application of electric lights Riviera is easily delayed to the important Christmas season. **Price $50.00.**

IVORY SNOW (Delworth & Son). A very soft ivory yellow sport of Snow that provides a color that is extremely useful to the floral designer. The very favorable market response to Ivory Snow, together with the increasing popularity of the pale pastel shades of color, indicate clearly that growers of the variety Snow will find this new sport a valuable and profitable supplement. **Price $80.00.**

VESPER (Yoder Bros.). This variety combines the flower quality of Rev. Bushnell with the free growth and high production of Sea Gull. It is a pure white pompon of unusually good substance, blooming normally November 10. Its heavy petallage permits a long period of cutting. Under black cloth shade, it just follows Sea Gull. Of free growth and easy culture, Vesper raises the existing standard of dependable and profitable early white pompons. **Price $50.00.**

Vaughan's Chrysanthemum Rooted Cuttings

NOVELTIES—Continued

BITTERSWEET (Yoder Bros.). A beautiful medium-sized bittersweet red daisy that blooms normally November 8. The flower possesses substance and keeping qualities that are superior to any existing red daisies suitable for cloth house culture. It retains its brilliance with full maturity. The flower has from three to four rows of stiff, broad petals that lay perfectly flat, giving a fresh, lively and attractive appearance. Bittersweet has a stiff wiry stem that produces well-branched sprays. The foliage is small, dark green and glossy. It responds well to black cloth treatment. It bunches well and because of its striking color and attractive foliage it compels attention when displayed with other varieties. A better cloth house red daisy and a good running mate for Sylvanna. Awarded gold medal National Chrysanthemum Show 1943. **Price $100.00 per 1000.**

TRIANON (De Petris). Crimson bronze pompon with a good and appealing color. Perfect form and hard substance. Growth is free with clean medium-sized foliage and good stems. Matures November 12. Trianon will produce a good average of upright sprays. It is easy to grow and produces a good quantity of perfectly rounded blooms with both good form and substance. It blooms at a period when deep bronze pompons are not plentiful. **Price $80.00 per 1000.**

PRICE LIST

Variety, Color and Type	Matures	Unrooted Price Per 1000	Rooted Price Per 1000
Adelaide. Reddish bronze, S. Pompon	Oct. 23	$27.50	$37.50
Alemeda. Reddish bronze, Standard	Oct. 25	27.50	37.50
Albatros. White, Standard	Nov. 1	27.50	37.50
Allegro. Shrimp pink, Int. Decorative	Oct. 15	90.00	100.00
Ambassador. Cream white, Standard	Oct. 23	27.50	37.50
Anaconda. Coppery bronze, Standard	Nov. 15	40.00	50.00
Apricon. Apricot bronze, Int. Pompon	Nov. 25	27.50	37.50
Apricot Queen. Orange bronze, Standard	Nov. 1	27.50	37.50
Apricot Valencia. Apricot buff, L. Single	Nov. 28	40.00	50.00
Arcadia. White, Intermediate Pompon	Oct. 28	27.50	37.50
Argo. Orange bronze, Intermediate Pompon	Nov. 28	70.00	80.00
Aristocrat. Deep orchid pink, Standard	Nov. 20	70.00	80.00
Avalanche. White, Intermediate Decorative	Oct. 5	50.00	60.00
Aviator. Coppery red, Int. Decorative	Oct. 10	90.00	100.00
Barbara Cumming. Buff yellow, Int. Decorative	Sep. 15	27.50	37.50
Barcarole. Golden yellow, Int. Pompon	Nov. 5	90.00	100.00
Beautiful Lady. Light lavender, L. Anemone	Nov. 25	27.50	37.50
Betsy Ross. Ivory white, Standard	Nov. 1	27.50	37.50
Bittersweet. Bittersweet red, Int. Single	Nov. 8	90.00	100.00
Blanche. White, Intermediate Anemone	Nov. 1	27.50	37.50
Blazing Gold. Golden yellow, Standard	Oct. 25	27.50	37.50
Bonnaffon Deluxe. Golden yellow, Standard	Nov. 20	27.50	37.50
Br. Buckingham. Orange bronze, Int. Single	Nov. 3	27.50	37.50
Br. Bulkeley. Buff bronze, Int. Pompon	Nov. 8	27.50	37.50
Br. Daisy. Light bronze, Int. Single	Nov. 1	27.50	37.50
Br. Freida. Salmon buff, L. Anemone	Nov. 15	27.50	37.50
Br. Frick. Apricot buff, Standard	Nov. 25	27.50	37.50
Br. Goldsmith. Mars orange, Int. Decorative	Nov. 25	70.00	80.00
Br. Masterpiece. Rosewood bronze, Int. Pompon	Nov. 15	27.50	37.50
Br. Mistletoe. Buff bronze, Standard	Dec. 10	27.50	37.50
Br. Orchid Queen. Apricot buff, Standard	Nov. 10	27.50	37.50
Br. Supreme. Light bronze, Large Anemone	Dec. 10	27.50	37.50
Burgundy. Wine red, Int. Decorative	Oct. 5	27.50	37.50
Caliph. Deep red, Intermediate Decorative	Oct. 8	27.50	37.50
Cambria. Golden bronze, Standard	Oct. 25	27.50	37.50
Cameo. Ivory white, Intermediate Pompon	Dec. 5	27.50	37.50
Capt. Cook. Deep rose pink, Int. Pompon	Oct. 23	27.50	37.50
Cardonia. Golden yellow, Standard	Nov. 10	27.50	37.50
Carillon. Orchid pink, Int. Single	Dec. 15	27.50	37.50
Carnelia. Bittersweet red, Large Single	Nov. 30	27.50	37.50
Cassandra. Orange bronze, Int. Pompon	Nov. 10	40.00	50.00
Catherine. Reddish bronze, Int. Decorative	Nov. 20	27.50	37.50
Cavalcade. Mandarin red, Int. Pompon	Dec. 10	27.50	37.50
Celestra. Lemon yellow, Standard	Oct. 15	27.50	37.50
Chattanooga. White, Standard	Nov. 25	27.50	37.50
Chicago Pearl. Ivory white, Int. Pompon	Nov. 15	$27.50	$37.50
Christina. White, Standard	Oct. 20	27.50	37.50
Christmas Cheer. Buff yellow, Int. Pompon	Dec. 15	27.50	37.50
Christmas Gold. Golden yellow, S. Pompon	Nov. 28	27.50	37.50
Chrome Emerald. Golden orange, Int. Anemone	Dec. 1	27.50	37.50
Cincinnati. Golden yellow, Large Pompon	Oct. 20	27.50	37.50
Citronella. Buff yellow, Standard	Oct. 28	27.50	37.50
Citrus Queen. Lemon yellow, Large Anemone	Nov. 25	27.50	37.50
Clara Holford. Deep red, Large Single	Nov. 10	27.50	37.50
Clara Jameson. Reddish bronze, Small Pompon	Oct. 15	27.50	37.50
Cocquette. Golden yellow, Small Pompon	Nov. 15	70.00	80.00
Cordova. Cream white, Int. Decorative	Nov. 30	27.50	37.50
Crimson Carnelia. Deep crimson, L. Single	Nov. 30	70.00	80.00
Crimson Glow. Crimson maroon, Int. Anemone	Nov. 25	27.50	37.50
Crystal Jewell. White, Small Pompon	Nov. 8	27.50	37.50
Dk. Pk. Bulkeley. Deep rose pink, Int. Pom	Nov. 8	27.50	37.50
Dk. Pk. Freida. Deep lavender, L. Anemone	Nov. 15	27.50	37.50
Dk. Pk. Jewell. Deep lavender, S. Pompon	Oct. 15	27.50	37.50
Dk. Pk. Norma. Deep lavender, L. Anemone	Nov. 18	27.50	37.50
Dk. Pk. Supreme. Lavender, Large Anemone	Dec. 10	27.50	37.50
Dk. Pk. Valencia. Deep orchid pink, Int. Single	Nov. 28	27.50	37.50
Dec. Glory—Large. Ivory white, Standard	Dec. 1	27.50	37.50
Dec. Gold. Golden yellow, Int. Decorative	Dec. 15	27.50	37.50
Dec. White. White, Standard	Dec. 5	70.00	80.00
Derigold. Golden yellow, Int. Pompon	Nov. 10	27.50	37.50
Detroit News. Reddish bronze, Standard	Nov. 1	27.50	37.50
Dorothy Turner. Reddish bronze, Int. Pompon	Nov. 25	27.50	37.50
Early Bronze. Orange bronze, Small Pompon	Sep. 15	27.50	37.50
Early October. Light lavender, Standard	Oct. 10	70.00	80.00
Early Wonder. Lavender, Int. Decorative	Sep. 25	27.50	37.50
Early Yellow. Golden yellow, Small Pompon	Sep. 15	27.50	37.50
Ed. Seidewitz. Lavender, Standard	Nov. 30	27.50	37.50
Eliz. Peterson. Orange bronze, Int. Dec.	Nov. 3	27.50	37.50
Enchantress. Deep pink, Large Anemone	Dec. 5	27.50	37.50
Ethrelda. Light lavender, Int. Anemone	Nov. 12	27.50	37.50
Europa. Cardinal red, Large Single	Nov. 10	27.50	37.50
Fez. Reddish bronze, Small Pompon	Nov. 15	27.50	37.50
Fire Bird. Reddish bronze, Int. Decorative	Oct. 25	27.50	37.50
Freida. Light lavender, Large Anemone	Nov. 15	27.50	37.50
Friendly Rival. Golden yellow, Standard	Nov. 20	27.50	37.50
Garnet King. Deep red, Standard	Nov. 18	27.50	37.50
Garza Supreme. White, Intermediate Anemone	Dec. 15	27.50	37.50
Gladys Pearson. Buff bronze, Standard	Nov. 25	27.50	37.50
Glitters. Reddish orange, Standard	Oct. 28	27.50	37.50
Glow. Reddish orange, Intermediate Pompon	Nov. 30	27.50	37.50
Gold Coin. Lemon yellow, Int. Pompon	Dec. 1	27.50	37.50
Gold Imperial. Golden orange, Int. Dec.	Nov. 15	40.00	50.00
Gold Lode. Golden yellow, Standard	Oct. 10	27.50	37.50
Goldsmith. Golden yellow, Int. Decorative	Nov. 25	27.50	37.50
Golden Emblem. Golden yellow, Int. Pompon	Nov. 20	90.00	100.00
Golden Glory. Golden yellow, Standard	Nov. 1	27.50	37.50
Golden Herald. Golden yellow, L. Decorative	Oct. 25	27.50	37.50
Golden Jane. Golden yellow, Large Single	Nov. 28	40.00	50.00
Golden Mistletoe. Golden yellow, Standard	Dec. 10	27.50	37.50
Golden Modena. Lemon yellow, Int. Pompon	Dec. 5	27.50	37.50
Golden Mrs. Ross. Golden yellow, Standard	Dec. 3	27.50	37.50
Golden October. Lemon yellow, Standard	Oct. 15	27.50	37.50
Golden Pearson. Golden yellow, Standard	Nov. 25	27.50	37.50
Golden Spray. Deep lemon yellow, Int. Pompon	Oct. 23	27.50	37.50
Golden Surprise. Sulphur yellow, Int. Pom	Nov. 18	40.00	50.00
Good News. Deep lemon yellow, Standard	Nov. 1	27.50	37.50
Graceland. White, Intermediate Anemone	Oct. 28	27.50	37.50
Granite State. White, Large Pompon	Oct. 25	90.00	100.00
Gypsy. Light reddish bronze, S. Anemone	Nov. 15	27.50	37.50

Vaughan's Chrysanthemum Rooted Cuttings

Variety, Color and Type	Matures	Un-rooted Price Per 1000	Rooted Price Per 1000
Harvard. Deep red, Standard	Nov. 30	$27.50	$37.50
Harvester. Deep canary yellow, Standard	Nov. 25	90.00	100.00
Has. Gold. Golden yellow, Intermediate Pompon	Nov. 23	27.50	37.50
Has. Pink. Lavender, Intermediate Single	Nov. 25	27.50	37.50
Helen Frick. Rose pink, Standard	Nov. 25	27.50	37.50
Helios. Deep golden yellow, L. Anemone	Nov. 10	27.50	37.50
Hilda Bergen. Reddish bronze, Standard	Oct. 25	27.50	37.50
Honeydew. Lemon yellow, Standard	Nov. 15	27.50	37.50
Imp. Dec. Beauty. White, Standard	Dec. 8	27.50	37.50
Imp. Tobin's Yel. Lemon yellow, Standard	Dec. 15	27.50	37.50
Imp. Yel. Chatt. Lemon yellow, Standard	Nov. 25	27.50	37.50
Ind. Bronze. Buff bronze, Standard	Nov. 8	27.50	37.50
Ind. Pink. Deep lavender, Standard	Nov. 8	27.50	37.50
Ind. White. White, Standard	Nov. 8	27.50	37.50
Indianola. Reddish bronze, Standard	Oct. 15	27.50	37.50
Indian Summer. Orange bronze, Int. Decorative	Oct. 15	27.50	37.50
Irene. White, Small Pompon	Oct. 15	27.50	37.50
Ivanhoe. Reddish bronze, Standard	Nov. 1	90.00	100.00
Ivory Snow. Ivory yellow, Int. Pompon	Dec. 30	70.00	80.00
Jane. Buff bronze, Large Single	Nov. 28	27.50	37.50
Jean Cumming. Ivory white, Int. Decorative	Sep. 20	27.50	37.50
Jean Treadway. Rose pink, Int. Decorative	Oct. 1	27.50	37.50
Jemima. Reddish bronze, Intermediate Pompon	Oct. 23	27.50	37.50
Jessie. Lavender, Intermediate Pompon	Oct. 25	27.50	37.50
Jewell. Lavender, Small Pompon	Oct. 15	27.50	37.50
Judith Anderson. Golden yellow, Small Pompon	Oct. 15	27.50	37.50
Justrite. Rose pink, Standard	Oct. 15	27.50	37.50
J. W. Prince. Rose pink, Standard	Nov. 5	27.50	37.50
King Midas. Lemon yellow, Int. Decorative	Sep. 30	27.50	37.50
Lavender Lady. Light lavender, Int. Decorative	Oct. 8	50.00	60.00
Legal Tender. Bronze and gold, Int. Dec.	Nov. 20	27.50	37.50
Lillian Doty. Light rose pink, Large Pompon	Nov. 1	27.50	37.50
Linda Lou. Lavender, Intermediate Anemone	Nov. 8	27.50	37.50
Little America. White, Intermediate Anemone	Nov. 10	27.50	37.50
Lodestar. Golden yellow, Intermediate Single	Nov. 25	70.00	80.00
L. I. Beauty. White, Large Anemone	Nov. 20	27.50	37.50
Mahogany Viking. Mahogany bronze, Int. Single	Dec. 1	70.00	80.00
Major Bowes. Deep lavender, Standard	Oct. 20	27.50	37.50
Mandarin. Coral salmon, Int. Decorative	Oct. 10	27.50	37.50
Margaret Moeller. White, Standard	Dec. 10	90.00	100.00
Marie Depetris. Golden yellow, Standard	Nov. 23	27.50	37.50
Marketeer. White, Standard	Nov. 18	27.50	37.50
Mary L. Hall. Deep lemon yellow, Int. Pompon	Nov. 1	27.50	37.50
Mason's Bronze. Burnt orange, L. Single	Nov. 10	27.50	37.50
Mason's Red. Crimson orange, Large Single	Nov. 10	27.50	37.50
Masterpiece. Tourmaline pink, Int. Pompon	Nov. 15	27.50	37.50
Matchless. White, Intermediate Pompon	Nov. 20	90.00	100.00
Mefo. Ivory white, Standard	Nov. 20	27.50	37.50
Melba. Reddish bronze, Large Single	Nov. 10	27.50	37.50
Meteore. Lemon yellow, Standard	Dec. 10	70.00	80.00
Minong. White, Small Pompon	Oct. 20	27.50	37.50
Minuet. Mauve to rose pink, Int. Pompon	Nov. 25	70.00	80.00
Mohawk Chief. Deep red, Standard	Nov. 30	27.50	37.50
Monument. White, Standard	Nov. 15	27.50	37.50
Morning Glow. Mauve pink, Small Decorative	Sep. 25	90.00	100.00
Morning Star. Primrose yellow, Int. Dec.	Sep. 20	90.00	100.00
Mrs. Bulkeley. Orchid lavender, Int. Pompon	Nov. 8	27.50	37.50
Mrs. Du Pont. Rosy salmon, Int. Decorative	Oct. 5	50.00	60.00
Mrs. Hooker. Deep red, Large Decorative	Nov. 15	27.50	37.50
Mrs. Kidder. Deep lemon yellow, Standard	Oct. 20	27.50	37.50
Mrs. Roy. Crimson, Standard	Nov. 15	27.50	37.50
Mrs. Stahelin. Reddish bronze, Standard	Nov. 15	27.50	37.50
Nancy Crain. White, Small Pompon	Nov. 5	$70.00	$80.00
Natoma. Flame scarlet, Int. Decorative	Oct. 25	27.50	37.50
Navaho. Deep crimson, Intermediate Pompon	Nov. 5	40.00	50.00
Nevada. White, Intermediate Anemone	Nov. 20	70.00	80.00
New York. Reddish bronze, Small Pompon	Nov. 13	27.50	37.50
Norma. Orchid pink, Large Anemone	Nov. 18	27.50	37.50
Normandie. White, Intermediate Decorative	Sep. 20	27.50	37.50
Nuggets. Golden yellow, Small Pompon	Nov. 5	27.50	37.50
Oak Leaf. Reddish bronze, Standard	Nov. 25	27.50	37.50
Oct. Bronze. Light bronze, Int. Single	Oct. 28	27.50	37.50
Oct. Pink. Light lavender, Int. Single	Oct. 28	27.50	37.50
Oct. Rose. Light lavender, Standard	Oct. 20	27.50	37.50
Orchid Beauty. Orchid, Intermediate Anemone	Nov. 15	27.50	37.50
Orchid Queen. Orchid pink, Standard	Nov. 10	27.50	37.50
Pearl. White, Intermediate Pompon	Nov. 20	27.50	37.50
Penrod. Golden yellow, Standard	Nov. 10	27.50	37.50
Peter John. Deep rose pink, Standard	Nov. 23	27.50	37.50
Pink Chief. Lavender, Standard	Oct. 15	27.50	37.50
Pink Dot. Light pink, Intermediate Pompon	Oct. 25	27.50	37.50
Pink Mistletoe. Lavender, Standard	Dec. 10	27.50	37.50
Pink Pearl. Rose pink, Small Pompon	Oct. 20	27.50	37.50
Pk. Treasure Is. Light lavender, Int. Dec.	Dec. 20	27.50	37.50
Pink Turner. Light lavender, Standard	Nov. 5	27.50	37.50
Pinocchio. White, Small Pompon	Oct. 25	90.00	100.00
Pixie. Golden yellow, Small Pompon	Nov. 10	40.00	50.00
Pom. Dec. Glory. Ivory white, Int. Dec.	Dec. 15	27.50	37.50
Pomponette. Light buff yellow, Int. Pompon	Sep. 20	27.50	37.50
Princeton. Orange yellow, Int. Decorative	Nov. 15	27.50	37.50
Priscilla. White, Intermediate Pompon	Nov. 23	70.00	80.00
Prosperity. Deep lavender, Int. Decorative	Dec. 10	27.50	37.50
Quaker Maid. White, Standard	Oct. 15	27.50	37.50
Queen of Pinks. Lavender, Large Pompon	Nov. 10	27.50	37.50
Red Daisy. Deep red, Intermediate Single	Nov. 5	27.50	37.50
Red Melba. Light red, Large Single	Nov. 10	27.50	37.50
Red Princeton. Brazil red, Int. Decorative	Nov. 15	27.50	37.50
Red Rolinda. Reddish bronze, Int. Anemone	Nov. 23	27.50	37.50
Red Valencia. Light Brazil red, L. Single	Nov. 28	27.50	37.50
Red Velvet. Velvety crimson, Int. Decorative	Oct. 8	70.00	80.00
Reliance. Light lemon yellow, Standard	Nov. 20	70.00	80.00
Revelation. White, Intermediate Pompon	Dec. 30	40.00	50.00
Rev. Bushnell. Cream white, Int. Pompon	Nov. 8	27.50	37.50
Richard Mandel. White, Large Pompon	Nov. 10	27.50	37.50
Riviera. Luminous pink, Int. Decorative	Dec. 10	40.00	50.00
Robin Hood. Deep red, Small Pompon	Nov. 5	27.50	37.50
Rodell Imp. Lemon yellow, Int. Pompon	Oct. 20	27.50	37.50
Roman Bronze. Buff bronze, Intermediate Pom	Oct. 20	27.50	37.50
Rosabella. Rose pink, Standard	Oct. 25	27.50	37.50
Rosalind. Rose pink, Intermediate Single	Dec. 20	27.50	37.50
Rose Charm. Lavender, Large Pompon	Nov. 1	27.50	37.50
Rose Chochard. Light lavender, Standard	Oct. 20	27.50	37.50
Rose Glow. Opalescent rose, S. Decorative	Oct. 5	27.50	37.50
Rosy Morn. Deep pink, Standard	Oct. 25	70.00	80.00
Royal Crimson. Deep crimson, Int. Decorative	Dec. 1	27.50	37.50
Royal Queen. White, Intermediate Pompon	Dec. 5	27.50	37.50
Ruby Pompon. Ruby crimson, Int. Pompon	Oct. 5	70.00	80.00
Rusticon. Rust red, Intermediate Pompon	Nov. 20	90.00	100.00
Ruth Cumming. Reddish bronze, Int. Decorative	Oct. 8	27.50	37.50
Saratoga. Golden yellow, Standard	Nov. 1	27.50	37.50
Sarong. Crimson scarlet, Intermediate Single	Dec. 15	27.50	37.50
Seafoam. White, Intermediate Pompon	Nov. 20	40.00	50.00
Sea Gull. Cream white, Intermediate Pompon	Nov. 1	27.50	37.50
Shasta. White, Intermediate Anemone	Nov. 8	27.50	37.50
Silver Ball. White, Large Pompon	Oct. 15	27.50	37.50
Silver Moon. Cream white, Intermediate Single	Sep. 15	27.50	37.50

Variety, Color and Type	Matures	Unrooted Price Per 1000	Rooted Price Per 1000
Silver Sheen. White, Standard	Oct. 18	$27.50	$37.50
Silver Star. Ivory white, Intermediate Pompon	Dec. 10	27.50	37.50
Sm. Early White. White, Standard	Oct. 15	27.50	37.50
Sm. Late White. Ivory white, Standard	Dec. 15	27.50	37.50
Snow. Ivory white, Intermediate Pompon	Dec. 30	27.50	37.50
Snow White. White, Standard	Nov. 1	27.50	37.50
Spun Gold. Deep lemon yellow, Int. Decorative	Dec. 15	27.50	37.50
Sunglow. Golden yellow, Standard	Oct. 25	27.50	37.50
Sun Gold. Lemon yellow, Standard	Nov. 25	27.50	37.50
Sunnyside. Golden yellow, Intermediate Pompon	Nov. 25	40.00	50.00
Sunray. Light lemon yellow, Int. Anemone	Nov. 15	27.50	37.50
Susanne Miller. Buff yellow, Large Anemone	Nov. 18	27.50	37.50
Sylvanna. Orange bronze, Intermediate Single	Nov. 10	70.00	80.00
Symphony. Mauve coppery pink, Int. Decorative	Oct. 12	27.50	37.50
Thanks. Pink. Deep lavender, Standard	Nov. 23	27.50	37.50
The Titan. Scarlet crimson, Large Anemone	Nov. 10	27.50	37.50
Thorina. Reddish bronze, Intermediate Pompon	Oct. 20	27.50	37.50
Thyra. Lavender, Large Pompon	Nov. 10	27.50	37.50
Trianon. Crimson bronze, Intermediate Pompon	Nov. 13	70.00	80.00
Usona. Lavender, Intermediate Pompon	Nov. 25	27.50	37.50
Uvalda. Cream white, Intermediate Pompon	Oct. 10	27.50	37.50
Valencia. Orchid pink, Large Single	Nov. 28	27.50	37.50
Vesper. White, Intermediate Pompon	Nov. 10	40.00	50.00
Vibrant. Deep lemon yellow, Int. Decorative	Dec. 20	27.50	37.50
Viking. Deep reddish bronze, Int. Single	Dec. 1	27.50	37.50
Wh. Anemone. White, Intermediate Anemone	Nov. 5	27.50	37.50
W. H. Buckingham. Rose pink, Int. Single	Nov. 3	27.50	37.50
Wh. Doty. Ivory white, Large Pompon	Nov. 1	27.50	37.50
Wh. Freida. White, Large Anemone	Nov. 15	27.50	37.50
Wh. Frick. White, Standard	Nov. 25	27.50	37.50
Wh. Jewell. White, Small Pompon	Oct. 15	27.50	37.50
Wh. Mensa. Ivory white, Intermediate Single	Nov. 10	$27.50	$37.50
Wh. Mistletoe. White, Standard	Dec. 10	27.50	37.50
Wh. Norma. White, Large Anemone	Nov. 18	27.50	37.50
Wh. Supreme. White, Large Anemone	Dec. 10	27.50	37.50
Wh. Yuletide. White, Intermediate Pompon	Nov. 28	27.50	37.50
Whittier. Lemon yellow, Standard	Nov. 13	27.50	37.50
Wildfire. Orange rust, Intermediate Decorative	Dec. 3	27.50	37.50
Wm. Turner. White, Standard	Nov. 5	27.50	37.50
Winterset. Lemon yellow, Intermediate Pompon	Dec. 25	27.50	37.50
Wolverine. Light yellow, Intermediate Dec	Sep. 25	27.50	37.50
Yel. Ambassador. Lemon yellow, Standard	Oct. 23	27.50	37.50
Yel. Arcadia. Perret yellow, Int. Pompon	Oct. 28	27.50	37.50
Yel. Beauty. Golden yellow, Large Pompon	Nov. 10	27.50	37.50
Yel. Bushnell. Pernet yellow, Int. Pompon	Nov. 8	27.50	37.50
Yel. Cameo. Deep lemon yellow, Int. Pompon	Dec. 5	90.00	100.00
Yel. Cordova. Lemon yellow, Int. Decorative	Nov. 30	27.50	37.50
Yel. Daisy. Deep lemon yellow, Int. Single	Nov. 1	27.50	37.50
Yel. Dot. Golden yellow, Intermediate Pompon	Oct. 25	27.50	37.50
Yel. Doty. Buff yellow, Large Pompon	Nov. 1	27.50	37.50
Yel. Fellow. Deep lemon yellow, Int. Dec.	Nov. 15	27.50	37.50
Yel. Garza. Light lemon yellow, Int. Anemone	Dec. 15	27.50	37.50
Yel. Hammer. Golden yellow, Int. Pompon	Oct. 20	27.50	37.50
Yel. Irene. Light lemon yellow, Small Pompon	Oct. 15	27.50	37.50
Yel. Mefo. Lemon yellow, Standard	Nov. 20	27.50	37.50
Yel. Monument. Light yellow, Standard	Nov. 15	27.50	37.50
Yel. New York. Deep lemon yellow, S. Pompon	Nov. 13	27.50	37.50
Yel. Rolinda. Light buff yellow, Int. Anemone	Nov. 23	27.50	37.50
Yel. Sea Gull. Lemon yellow, Int. Pompon	Nov. 1	27.50	37.50
Yel. Snow. Deep lemon yellow, Int. Pompon	Dec. 30	27.50	37.50
Yel. Supreme. Buff yellow, Large Anemone	Dec. 10	27.50	37.50
Yel. Turner. Light yellow, Standard	Nov. 5	27.50	37.50
Yolanda. Light orange bronze, Small Anemone	Nov. 25	27.50	37.50
Yukon. White, Intermediate Single	Dec. 10	27.50	37.50

Vaughan's Dahlias

In Vaughan's Gardening Illustrated are listed a number of newer varieties that are not listed in this catalogue. If interested in getting any of these, the trade is offered a discount of 25% on all varieties listed in Vaughan's Gardening Illustrated. This does not apply to any Special Offers listed therein; on these we offer a discount of 15%.

In the following list we offer varieties that we can supply in tubers of suitable size for planting. We advise early ordering to prevent disappointment in case the variety selected should be sold out.

KEY TO ABBREVIATIONS. F.D., Formal Decorative; I.D., Informal Decorative; S.C., Semi-Cactus; Str. C., Straight Cactus.
*—Good cut flower varieties.

	10	100
***AVALON.** (I.D.) Clear yellow. Large flowers on long stems	$2.20	$20.00
FLORIST WHITE. (F.D.) Pure white, fine form. Good grower	2.70	25.00
***GALLANT FOX.** (F.D.) A commercial red. Its keeping qualities, sturdy stem and fine color make it a valuable sort	2.20	20.00
JANE COWL. (I.D.) A large flower of a warm buff and old gold blending to a bright salmon at the center	2.70	25.00
JERSEY'S BEACON. (F.D.) Chinese scarlet with a paler reverse, giving a two-toned effect	2.20	20.00
JERSEY'S BEAUTY. (F.D.) The most popular Dahlia. Lavender-pink. Fine stem and foliage	2.70	25.00
JERSEY'S RED BEAUTY. (F.D.) An excellent red with good form, color and stem	2.70	25.00
MRS. GEO. LE BOUTILLIER. (I.D.) A rich velvety carmine giant in size and outstanding in all respects	2.70	25.00
MRS. I. de VER WARNER. (F.D.) Large flowers of deep mauve-pink. Can be grown to a diameter of 11 inches	2.20	20.00
MRS. JAMES ALBIN. (F.D.) A soft pleasing yellow with fine formal blooms carried on straight stiff stems. A clean sturdy growth and branches freely making it easy to cut the blooms with long stems	3.20	30.00
PRIDE OF AUSTINBERG. (I.D.) A soft apricot shading violet rose. Blooms early on strong stems, with full centers	3.20	30.00
WHITE KING. (F.D.) A pure white large-flowering Dahlia of fine form and substance with strong stems	2.20	20.00
WHITE WONDER. (I.D.) A truly white Fort Monmouth. The giant blooms are pure white with long twisted and curled petals	2.70	25.00

*MINIATURE DAHLIAS

AUDRIES ORANGE. (S.C.) A bright orange. An outstanding variety	3.70	35.00
BABY ROYAL. (S.C.) A fine salmon pink shaded apricot	2.70	25.00
BLUE BELL. (F.D.) Blue violet	2.70	25.00
CORINNA. (F.D.) Very fine deep yellow	2.70	25.00
DUBONNET. (S.C.) A rich deep oxblood red that does not fade	3.20	30.00
GRENADIER. (Peony) Orange-red flowers with beet-red foliage	3.20	30.00
LITTLE RED BIRD. (F.D.) Bright cardinal red	2.70	25.00
LITTLE ROSEATA. (F.D.) A good soft pink, stiff stems and long-keeping qualities	2.70	25.00
PRINCESS ALBA. (F.D.) Fine white. Perfect-formed blooms on long stems	$2.70	$25.00
SNOWSPRITES. (S.C.) Glistening snow-white. Perfect stems and artistic form	3.20	30.00

*POMPONS

CARDINAL. Fiery scarlet	2.70	25.00
BRONZE BEAUTY. Bronze and old gold	2.20	20.00
GOLDEN QUEEN. Rich deep yellow	2.20	20.00
EDITH MUELLER. Golden orange and salmon red	2.20	20.00
MARY MUNNS. Fuchsia or deep orchid	2.20	20.00
MORNING MIST. Delicate lavender and white	2.20	20.00
ROSA WILMOTH. Light rose-pink. Fine form	2.20	20.00
SHERRY. A deep purple. Very attractive	2.70	25.00
SNOWCLAD. Pure white. Long stems and fine blooms	2.20	20.00

MINIATURE AND POMPON DAHLIAS

Ornamental and Flowering Shrubs

Warning—Prices on all nursery stock subject to change without notice. 5 plants of one kind supplied at 10 rate. 30 plants of one kind supplied at 100 rate.

EUONYMUS Alatus Compacta

VIBURNUM Opulus Sterile (Old Fashioned Snowball)

KOLKWITZIA Amabilis (Beauty Bush)

OUR shrubs are nursery-grown and are transplanted every two or three years. They are nice, shapely bushes with plenty of good fibrous roots, and are such plants as are in demand by the first class retail trade. They should not be compared to stock that is never moved from the cutting or seeding beds until sold.

Our Nursery is located at Western Springs, 15 miles west of Chicago, on the C. B. & Q. R. R., two blocks south of 47th Street, on Wolf Road.

Visitors are invited to inspect our stock at any time. We have a choice lot of specimens such as are not usually seen. Our customers will be pleased with the class of stock we send them.

Shipping Directions: All stock is sold F. O. B. Western Springs. Packing charges to be added on all orders for shrubs, dormant roses, fruits, trees, evergreens, and vines, at cost. Always give full explicit shipping directions, as our responsibility ends on delivery to the express or freight office in good condition. **All trees, shrubs and plants shipped subject to customer assuming risk regarding his own State Nursery Inspection Regulations. Certificate furnished with each shipment.**

Where personal selection of stock is made at our Nursery we charge according to its value.

	Each	10	100
ACANTHOPANAX Pentaphyllum. 3 to 4 ft.	$0.60	$ 5.00	$40.00
4 to 5 ft.	.70	6.00	50.00
ALMOND. See Prunus glandulosa.			
ALTHAEA. See Hibiscus.			
ARONIA Brilliantissima. 3 to 4 ft.	.50	4.50	40.00
BERBERIS Mentorensis. (Patent No. 99) (New Evergreen Barberry). 18 to 24 in.	.60	5.00	.....
Thunbergi. 18 to 24 in.	.50	4.00	37.50
Thunbergii Atropurpurea. 18 to 24 in.	.60	5.00	.....
BUDDLEIA (Butterflybush or Summer Lilac).			
Charming. (Pink). Field grown	.60	4.50	40.00
Dubonnet (New Red). Field grown	.60	4.50	40.00
Orchid Beauty. Field grown.	.60	4.50	40.00
Royal Purple. Field grown.	.60	4.50	40.00
CALYCANTHUS Floridus (Sweet Shrub). 18 to 24 in.	.60	4.50	.....
CHIONANTHUS Virginica (White fringe tree). 3 to 4 ft.	.90	8.00	.....
CLETHRA Alnifolia (Sweet pepper bush). 18 to 24 in.	.60	5.00	.....
CORNUS Alba Sibirica (Siberian Redtwig Dogwood) 3 to 4 ft.	.50	4.00	35.00
4 to 5 ft.	.60	5.00	40.00
Amomum. 4 to 5 ft.	.60	5.00	35.00
5 to 6 ft.	.70	5.00	40.00
Baileyi. 3 to 4 ft.	.60	4.00	35.00
4 to 5 ft.	.70	5.00	40.00
5 to 6 ft.	.75	6.50	45.00
Florida and Florida Rubra. See page 65.			
Paniculata. 4 to 5 ft.	.60	5.00	40.00
5 to 6 ft.	.70	5.50	45.00
Sanguinea (Bloodtwig Dogwood). 4 to 5 ft.	.50	4.00	35.00
5 to 6 ft.	.60	5.00	40.00
Stolonifera Flaviramea (Goldentwig Dogwood). 2 to 3 ft.	.40	3.50	30.00
3 to 4 ft.	.50	4.00	35.00
COTONEASTER Acutifolia. 2 to 3 ft.	.60	5.00	.....
3 to 4 ft.	.70	6.00	.....
CRAB. See Malus, page 65.			
CRATAEGUS. See page 65.			
CYDONIA Japonica (Japanese Quince). 18 to 24 in.	.50	4.50	.....
2 to 3 ft.	.60	5.00	.....
DEUTZIA gracilis. 15 to 18 in.	.60	5.00	.....
ELSHOLTZIA Stauntoni (Heathermint). 18 to 24 in.	.60	5.00	.....

	Each	10	100
EUONYMUS Alatus (Burning Bush). 2 to 3 ft.	$1.25	$10.00	.....
3 to 4 ft.	1.65	15.00	.....
Alatus Compacta. 18 to 24 in.	1.00	9.00	.....
2 to 2½ ft.	1.50	12.50	.....
Europaeus (European Burning Bush). 5 to 6 ft.	.90	7.50	.....
EUONYMUS Radicans Colorata (Bronze Winter Creeper). 15 to 18 in.	.60	5.00	.....
Radicans Vegetus (Bigleaf Winter Creeper). 12 to 15 in.	1.00	9.00	.....
15 to 18 in.	1.25	11.50	.....
FORSYTHIA (Goldenbell) Intermedia. 3 to 4 ft.	.40	3.50	$30.00
4 to 5 ft.	.50	4.50	40.00
Intermedia Spectabilis. 3 to 4 ft.	.50	4.00	35.00
4 to 5 ft.	.60	5.00	40.00
5 to 6 ft.	.75	6.00	50.00
Spring Glory. 2 to 3 ft.	.90	7.50	.....
Suspensa Fortunei. 4 to 5 ft.	.50	4.50	40.00
HAMAMELIS Vernalis (Winterblooming Witchhazel). 3 to 4 ft.	1.25	.....	.....
4 to 5 ft.	1.50	.....	.....
Virginica (Common Witchhazel). 3 to 4 ft.	1.00	7.50	.....
HIBISCUS Syriacus (Rose of Sharon), (Althaea). Double Purple, Pink, Red or White. 3 to 4 ft.	.60	5.00	40.00
HYDRANGEA Opuloides (Blue H). 2 yr.	1.25	11.50	.....
Paniculata Grandiflora. 18 to 24 in.	.60	5.00	45.00
KOLKWITZIA Amabilis (Beautybush). 2 to 3 ft.	.70	6.50	60.00
3 to 4 ft.	.90	7.50	.....
LIGUSTRUM Amurense (Amur Privet, North). 18 to 24 in., 3 canes up		2.00	17.50
2 to 3 ft., 3 canes up		3.00	25.00
3 to 4 ft., bushy		3.50	27.50
Ibolium. 2 to 3 ft.		3.00	25.00
3 to 4 ft., bushy		4.00	30.00
Ibota Regelianum. 18 to 24 in.	.50	4.00	30.00
2 to 3 ft.	.60	5.00	40.00
Vulgare (European Privet). 3 to 4 ft.	.40	3.00	25.00
4 to 5 ft.	.50	3.50	30.00
Chinese Elm Hedging—See Ulmus Pumila under Trees, page 65.			
LILAC. See Syringa.			

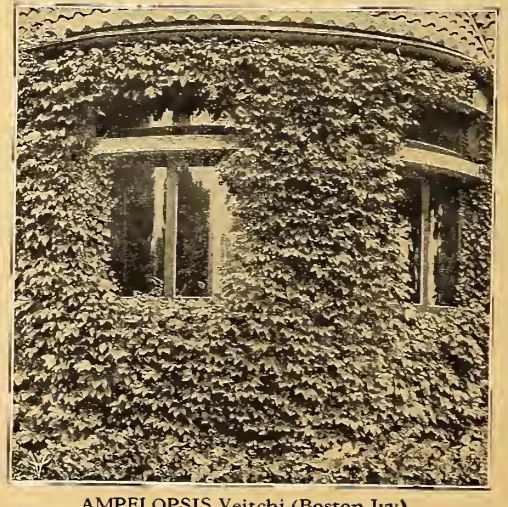
Please Tell Us How to Ship. We Express Unless Otherwise Instructed.
All Prices are F. O. B. Our Nurseries, Western Springs, Ill.

	Each	10	100
LONICERA (Bush Honeysuckle).			
Bella Albida. 4 to 5 ft.	$ .50	$4.00	$35.00
Fragrantissima (Winter Honeysuckle). 2 to 3 ft.	.50	4.00	.....
3 to 4 ft.	.60	5.00	.....
Korolkowi Floribunda (Blueleaf Honeysuckle).			
3 to 4 ft.	.60	5.00	.....
Korolkowi Zabeli (True Red Honeysuckle).			
2 to 3 ft.	.50	4.50	.....
3 to 4 ft.	.60	5.00	.....
Morrowi. 3 to 4 ft.	.50	4.00	35.00
Ruprechtiana. 3 to 4 ft.	.50	4.00	35.00
4 to 5 ft.	.60	5.00	40.00
Tatarica Rosea. 3 to 4 ft.	.50	4.00	35.00
4 to 5 ft.	.60	5.00	40.00
Tatarica Rubra. 3 to 4 ft.	.60	5.00	.....
4 to 5 ft.	.65	6.00	50.00
5 to 6 ft.	.75	6.50	.....
MAHONIA Aquifolium (Oregon Holly grape).			
15 to 18 inch, B. & B.	2.00	.....	.....
18 to 24 inch, B. & B.	2.50	.....	.....
PHILADELPHUS—Mockorange.			
Banniere. 2 to 3 ft.	.75	6.00	.....
Coronarius. 3 to 4 ft.	.50	4.00	30.00
4 to 5 ft.	.55	4.50	35.00
5 to 6 ft.	.60	5.00	40.00
Grandiflorus. 3 to 4 ft.	.50	4.00	30.00
4 to 5 ft.	.55	4.50	35.00
5 to 6 ft.	.60	5.00	40.00
Innocence. 3 to 4 ft.	1.25	10.00	.....
Virginal. 2 to 3 ft.	.75	6.50	.....
3 to 4 ft.	.90	7.50	.....
Zeyheri. 3 to 4 ft.	.65	5.50	.....
PHYSOCARPUS Monogynus (Dwarf Ninebark).			
2 to 3 ft.	.50	4.00	30.00
PHYSOCARPUS Opulifolius (Common Ninebark).			
4 to 5 ft.	.50	4.00	35.00
5 to 6 ft.	.60	5.00	40.00
Opulifolius Aureus (Goldenleaf Ninebark).			
4 to 5 ft.	.50	4.00	35.00
5 to 6 ft.	.60	5.00	40.00
PRUNUS Besseyi (Hanseni's Improved Bush Cherry). 2 to 3 ft.	.60	4.50	.....
PRUNUS Glandulosa (Flowering Almond).			
Sinensis (Double Pink). 2 to 3 ft.	.85	7.50	.....
Triloba and other varieties. See Trees, page 65.			
RHAMNUS Cathartica (Buckthorn). 3 to 4 ft.	.50	4.00	30.00
4 to 5 ft.	.55	4.50	35.00
RHODOTYPOS Kerrioides (Jetbead). 2 to 3 ft.	.60	5.50	.....
ROSA.			
Hugonis. 2-year	.90	7.50	.....
Rugosa F. J. Grootendorst. 2-year	.90	7.50	.....
Rugosa Hansa. 2-year	.75	6.50	.....
SALIX Caprea (French Pussy Willow). 3 to 4 ft.	.60	5.50	.....
SPIRAEA Arguta. 3 to 4 ft.	.60	4.50	35.00
Bumalda Anthony Waterer. 15 to 18 in.	.50	3.50	30.00
18 to 24 in.	.60	4.00	35.00
Froebeli. 18 to 24 in.	.40	3.00	25.00
24 to 30 in.	.50	4.00	30.00
Thunbergi. 2 to 2½ ft.	.40	3.50	30.00
Van Houttei (Bridalwreath). 2 to 3 ft.	.40	3.00	25.00
3 to 4 ft.	.50	4.00	35.00
SYMPHORICARPOS. Chenaulti. 3 to 4 ft.	.50	4.00	.....
Racemosus (Snowberry). 2 to 3 ft.	.40	3.00	25.00
3 to 4 ft.	.50	4.00	30.00
Vulgaris (Indian Currant). 2 to 3 ft.	.40	3.50	25.00
SYRINGA (Lilac) Japonica. 3 to 4 ft.	.90	7.50	.....
Persian Purple. 2 to 3 ft.	.50	4.00	35.00
3 to 4 ft.	.60	5.00	.....
Vulgaris Alba (Common White Lilac). 3 to 4 ft.	.60	5.00	.....
4 to 5 ft.	.75	6.50	.....
Vulgaris Purpurea. 2 to 3 ft.	.60	5.00	.....
3 to 4 ft.	.70	6.00	.....
NAMED FRENCH VARIETIES.			
Charles Joly, Mad. Lemoine, Pres. Grevy, Vestale. 18 to 24 in.	.75	6.50	.....
Belle de Nancy, Charles Joly, Marie Legraye, 2 to 3 ft., bushy	1.00	9.00	.....
Belle de Nancy, Charles Joly, Charles X, Marie Legraye. 3 to 4 ft., bushy	1.50	12.50	.....
Berryer, Charles X, Marie Legraye. 4 to 5 ft., bushy	2.00	17.50	.....
Edith Cavell, Monge. 2 to 3 ft., bushy	1.75	.....	.....
Edith Cavell, Lucie Baltet, Miss Ellen Willmott, Vestale. 3 to 4 ft., bushy	2.25	.....	.....
Vestale. 4 to 5 ft., bushy	3.00	.....	.....
Berryer. 5 to 6 ft.	2.75	.....	.....
VIBURNUM Americanum (American Cranberry-bush). 2 to 3 ft.	.50	4.50	.....
3 to 4 ft.	.65	5.50	.....

VIBURNUM—Continued	Each	10	100
Burkwoodi (Gardenia-Scented Snowball). 18 to 24 in.	$2.00	$17.50	.....
Carlesi (Clove-Scented Snowball). 18 to 24 in.	2.25	20.00	.....
Dentatum. 4 to 5 ft.	.60	5.00	$40.00
5 to 6 ft.	.75	6.00	.....
Lantana. 4 to 5 ft.	.60	4.50	40.00
5 to 6 ft.	.70	5.00	45.00
Lentago. 4 to 5 ft.	.60	5.00	.....
5 to 6 ft.	.75	6.50	.....
6 to 8 ft.	1.00	9.00	.....
Opulus. 2 to 3 ft.	.40	3.50	30.00
3 to 4 ft.	.60	4.50	40.00
Opulus Sterile. 2 to 3 ft.	.60	5.00	40.00
3 to 4 ft.	.75	6.00	.....
VITEX Macrophylla. 18 to 24 in.	.65	5.50	.....
ULMUS Pumila, Chinese Elm Hedging—See Trees.			
WEIGELA. Bristol Ruby (Patent No. 492). 2 to 3 ft.	1.00	9.00	.....
Rosea. 3 to 4 ft.	.70	6.00	.....

Hardy Vines

	Each	10	100
AMPELOPSIS.			
Veitchi (Boston Ivy). The grandest hardy climbing vine that clings tightly to stone or brick. Good glossy green leaves, three-lobed. 2-year No. 1	$ .50	$4.50	$40.00
ARISTOLOCHIA Sipho (Dutchman's Pipe).			
2-year, grafted	1.00	8.50	.....
BIGONIA Radicans. Showy trumpet-shaped flowers of brilliant orange-scarlet. 2-year	.50	3.50	.....
Mme. Gallen. More dwarf than above, but has immense flower clusters. 2-year, grafted	.80	7.50	.....
CELASTRUS Scandens (American Bittersweet). Hardy climber, with orange-capsuled fruit in autumn. 2-year	.50	4.00	35.00
CLEMATIS—Small-Flowering Paniculata. The finest small-flowering Clematis. Pure white, deliciously fragrant flowers. September. 2-year	.50	4.50	.....
CLEMATIS—Large-Flowering.			
Henryi, single white; Jackmani, rich deep purple; Mme. Ed. Andre, wine-red; Ramona, blue. 2-year No. 1	.65	5.50	.....
Henryi, Jackmani or Mme. Ed. Andre. 2½-inch pots	.40	3.50	30.00
Comtesse de Bouchard (New). Satiny rose. 2-yr.	1.00	9.00	.....
Lord Neville (New). Rich velvety violet-purple. 2-yr.	1.00	9.00	.....
Prins Hendrik. Azue-blue. 2-year	1.25	.....	.....
CLEMATIS. Duchess of Albany (New). Pink trumpet-shaped flowers about 3½ to 4 inches long. 2-year	1.25	.....	.....
LONICERA—Honeysuckle, Heckrotti. Flowers dark red and creamy yellow. 2-year	.60	5.00	.....
Japonica Halliana (Hall's Honeysuckle). Very fragrant pure white flowers changing to yellow. 2-year.	.40	3.00	.....
POLYGONUM Auberti. Fast growing vine, producing foamy masses of white flowers in late summer. 2-year	.65	5.00	.....
WISTERIA.			
Multijuga Floribunda Rosea (Pink Japanese Wisteria). No. 1	1.00	9.00	.....
Sinensis Alba. Pure white flowers. 2-year grafts.	.75	6.50	.....
Sinenis Purpurea. Flowers purple, 2-year grafts.	.75	6.50	.....



AMPELOPSIS Veitchi (Boston Ivy).

Please Tell Us How to Ship. We Express Unless Otherwise Instructed.
All Prices are F. O. B. Our Nurseries, Western Springs, Ill.

Ornamental and Shade Trees

AMERICAN ELM, MOLINE TYPE

All our trees are nursery grown and are one or more times transplanted.

	Each	10	100
ACER Dasycarpum (Silver Maple).			
8 to 10 ft., 1 to 1¼ in. caliper	$2.00	$17.50	.....
8 to 10 ft., 1¼ to 1½ in. caliper	2.75	25.00	.....
Ginnala (Amur Maple).			
4 to 5 ft.	1.25	10.00	.....
5 to 6 ft.	1.50	12.50	.....
6 to 8 ft.	2.00	17.50	.....
Platanoides (Norway Maple).			
8 to 10 ft., branched	3.00	27.50	.....
10 to 12 ft., 1¼ to 1½ in. caliper	4.25	40.00	.....
10 to 12 ft., 1½ to 1¾ in. caliper	4.75	45.00	.....
10 to 12 ft., 1¾ to 2 in. caliper	5.25	.....	.....
Write for prices on all maples in larger sizes.			
Platanoides Columnare (Columnar Norway Maple). 8 to 10 ft., branched	4.25	40.00	.....
Platanoides Schwedleri (Schwedler Maple).			
8 to 10 ft., whips	3.25	30.00	.....
12 to 14 ft., 2½ to 2¾ in. caliper	10.00	.....	.....
12 to 14 ft., 2¾ to 3 in. caliper	11.50	.....	.....
14 to 16 ft., 3 to 3¼ in. caliper	13.00	.....	.....
14 to 16 ft., 3½ to 3¾ in. caliper	14.50	.....	.....
BETULA.			
Alba (European White Birch).			
8 to 10 ft.	3.00	27.50	.....
CERCIS Canadensis (American Redbud).			
6 to 8 ft.	3.00	27.50	.....
CORNUS Florida (White Flowering Dogwood).			
2 to 3 ft., balled in moss	2.75	.....	.....
3 to 4 ft., balled in moss	3.00	.....	.....
CORNUS Florida Rubra (Pink Flowering Dogwood).			
2 to 3 ft., balled in moss	3.50	.....	.....
3 to 4 ft., balled in moss	4.50	.....	.....
CRATAEGUS (Hawthorn).			
Carrieri. 3 to 4 ft	1.00	9.00	$ 75.00
4 to 5 ft.	1.75	15.00	125.00
5 to 6 ft.	2.25	20.00	.....
6 to 8 ft.	3.50	32.50	.....
Coccinea (Thicket Hawthorn). 3 to 4 ft.	1.00	9.00	75.00
4 to 5 ft.	1.75	15.00	125.00
5 to 6 ft.	2.25	20.00	.....
6 to 7 ft.	3.50	32.50	.....
Cordata. 8 to 10 ft., specimens, B. & B.	12.50	.....	.....
10 to 12 ft., specimens, B. & B.	15.00	.....	.....
Crusgalli. 4 to 5 ft.	1.75	15.00	.....
5 to 6 ft.	2.25	20.00	.....
Mollis. 4 to 5 ft.	1.75	15.00	.....
5 to 6 ft.	2.25	20.00	.....
Oxyacantha Splendens. (Paul's Dbl. Scarlet Hawthorn). 4 to 5 ft.	2.75	.....	.....
6 to 7 ft., 1 to 1¼ in. caliper, B. & B.	7.50	.....	.....
6 to 7 ft., 1¼ to 1½ in. caliper, B. & B.	10.00	.....	.....
Write for prices of Crataegus in larger sizes.			

	Each	10	100
GINKGO BILOBA. 1 to 1¼ in. caliper	$5.25	$50.00	.....
GLEDITSIA Triacanthos Inermis (Thornless Honeylocust). 8 to 10 ft., 1 to 1¼ in. caliper	1.90	16.50	.....
8 to 10 ft., 1¼ to 1½ in. caliper	2.25	20.00	.....
10 to 12 ft., 1½ to 1¾ in. caliper	2.75	25.00	.....
Gleditsia Triacanthos (Honeylocust).			
8 to 10 ft., 1 to 1¼ in. caliper	1.75	15.00	.....
8 to 10 ft., 1¼ to 1½ in. caliper	2.00	17.50	.....
10 to 12 ft., 1½ to 1¾ in. caliper	2.50	22.50	.....
LIRIODENDRON Tulipifera.			
8 to 10 ft., 1 to 1¼ in. caliper	2.75	25.00	.....
8 to 10 ft., 1¼ to 1½ in. caliper	3.00	27.50	.....
MAGNOLIA.			
Soulangeana. 3 to 4 ft., balled in moss	8.50	.....	.....
Soulangeana Lennei (Lenne M).			
3 to 4 ft., B. & B.	8.50	.....	.....
4 to 5 ft., B. & B.	10.50	.....	.....
Stellata (Halleana) (Star M). 18 to 24 in., B. & B.	7.00	.....	.....
2 to 2½ ft., B. & B.	9.00	.....	.....
MALUS (Flowering Crab Apples).			.....
Hoppi (Hopa Crab), Eleyi. 4 to 5 ft.	1.50	12.50	.....
Atrosanguinea. 6 to 8 ft., 1¼ to 1½ in. caliper, transplanted specimens	3.75	35.00	.....
Atrosanguinea, Baccata. 6 to 8 ft., 1½ to 1¾ in. caliper, transplanted specimens	4.50	40.00	.....
Atrosanguinea, Baccata. 6 to 8 ft., 1¾ to 2 in. caliper, transplanted specimens	5.50	50.00	.....
Atrosanguinea, Eleyi. Bush form specimens, 6 to 8 ft.	6.50	60.00	.....
Ioensis Bechteli (Bechtel's Dbl. Flowering Crab).			
3 to 4 ft.	1.35	11.00	.....
4 to 5 ft.	1.75	16.00	.....
5 to 6 ft.	2.75	25.00	.....
5 to 6 ft., 1¼ to 1½ in. caliper, specimens	6.00	.....	.....
Sargenti. 4 to 5 ft., bush form	2.75	25.00	.....
5 to 6 ft., bush form	3.75	35.00	.....
POPULUS (Poplar).			
Nigra Italica (Lombardy Poplar). A valuable tree for landscape work and screens. 8 to 10 ft., 1¼ to 1½ in. caliper	1.00	7.50	$65.00
10 to 12 ft., 1½ to 1¾ in. caliper	1.25	10.00	90.00
10 to 12 ft., 1¾ to 2 in. caliper	1.50	12.50	100.00
12 to 14 ft., 2 to 2¼ in. caliper	2.00	15.00	.....
PRUNUS.			
Newport (Purple-leaved Plum). 3 to 4 ft.	1.25	10.00	.....
Tomentosa (New Nanking Cherry). Grafted. 2 to 3 ft.	1.00	9.00	.....
Triloba (Flowering Plum). 2 to 3 ft.	.90	7.50	.....
SALIX Blanda (Wisconsin Weeping Willow). 6 to 8 ft.	1.75	16.00	.....
SORBUS Aucuparia (European Mountain Ash). 8 to 10 ft.	2.75	25.00	.....
Quercifolia (Oakleaf Mountain Ash). 8 to 10 ft.	2.75	25.00	.....
TILIA Cordata (Littleleaf European Linden). 6 to 8 ft.	2.50	22.50	.....
8 to 10 ft., 1 to 1¼ in. caliper	2.75	25.00	.....
8 to 10 ft., 1¾ to 2 in. caliper	3.50	32.50	.....
Platyphyllos Pyramidalis (Pyramidal European Linden). 1½ to 1¾ in. caliper, low branched specimens, B. & B.	15.00	.....	.....
2 to 2¼ in. caliper, low branched specimens, B.& B.	17.50	.....	.....
ULMUS Americana Molini (American Moline Elm) or Americana Urni (American Vase-Shaped Elm).			
8 to 10 ft., 1 to 1¼ in. caliper	2.50	22.50	.....
8 to 10 ft., 1¼ to 1½ in. caliper	3.00	27.50	.....
10 to 12 ft., 1½ to 1¾ in. caliper	3.50	32.50	.....
10 to 12 ft., 1¾ to 2 in caliper	3.75	35.00	.....
12 to 14 ft., 2 to 2¼ in. caliper	4.50	42.50	.....
12 to 14 ft., 2¼ to 2½ in. caliper	5.00	45.00	.....
14 to 16 ft., 2½ to 2¾ in. caliper	5.50	50.00	.....
14 to 16 ft., 2¾ to 3 in. caliper	6.50	60.00	.....
14 to 16 ft., 3 to 3¾ in. caliper	8.00	75.00	.....
16 to 18 ft., 3¼ to 3½ in. caliper	10.00	.....	.....
16 to 18 ft., 3½ to 3¾ in. caliper	12.00	.....	.....
Americana (American Elm) or Pumila (Chinese Elm).			
8 to 10 ft., 1 to 1¼ in. caliper	2.00	17.50	.....
8 to 10 ft., 1¼ to 1½ in. caliper	2.50	22.50	.....
10 to 12 ft., 1½ to 1¾ in. caliper	3.00	27.50	.....
10 to 12 ft., 1¾ to 2 in. caliper	3.75	35.00	.....
10 to 12 ft., 2 to 2¼ in. caliper	4.50	42.50	.....
10 to 12 ft., 2¼ to 2½ in. caliper	5.00	45.00	.....
12 to 14 ft., 2½ to 2¾ in. caliper	5.50	50.00	.....
12 to 14 ft., 2¾ to 3 in. caliper	6.50	60.00	.....
14 to 16 ft., 3 to 3¼ in. caliper	8.00	75.00	.....
14 to 16 ft., 3¼ to 3½ in. caliper	10.00	.....	.....
16 to 18 ft., 3½ to 3¾ in. caliper	12.00	.....	.....
Pumila—Chinese Elm Hedging.			
2 to 3 ft. seedling, not transplanted		1.00	7.50
Write for prices on all Elms in larger sizes.			

All prices f.o.b. our nursery, Western Springs, Ill. Subject to change without notice.

All trees personally selected in our nursery will be charged for according to their value.

Vaughan's Evergreens

JUNIPERUS Chinensis Pfitzeriana
(Pfitzer Juniper) Best of All Evergreens

Prices listed, unless otherwise noted, include balling and burlapping. All our Evergreens are two or more times transplanted.

	Each	10	100
JUNIPERUS Canadensis (Canadian Juniper). Of low-spreading, irregular form with foliage of blue-green.			
18 to 24 in.	$1.75	$15.00	.....
24 to 30 in.	2.00	17.50	.....
2½ to 3 ft.	2.50	22.50	.....
Canadensis-Upright. An upright form of above.			
18 to 24 in.	1.75	15.00	.....
24 to 30 in.	2.00	17.50	.....
2½ to 3 ft.	2.50	22.50	.....
Chinensis Columnaris. (Blue Chinese Column Juniper.) Rapid growing with sharp blue-green foliage. 3-3½ ft.	4.00	37.50	.....
3½ to 4 ft.	4.50	42.50	.....
4 to 4½ ft.	5.00	47.50	.....
4½ to 5 ft.	5.50	52.50	.....
5 to 5½ ft.	7.00	.....	.....
Chinensis Keteleeri. Of broad pyramidal form; green foliage. 3 to 3½ ft.	4.50	42.50	.....
3½ to 4 ft.	5.50	52.50	.....
4 to 4½ ft.	6.50	62.50	.....
4½ to 5 ft.	7.50	72.50	.....
5 to 5½ ft.	8.25	80.00	.....
5½ to 6 ft.	9.25	90.00	.....
6 to 6½ ft.	10.25	100.00	.....
6½ to 7 ft.	11.50	115.00	.....
7 to 7½ ft.	13.00	.....	.....
JUNIPERUS Chinensis Pfitzeriana (Pfitzer Juniper). One of the best of all Junipers. Broad bushy habit. Thick, rich green foliage, giving feathery appearance.			
15 to 18 in. spread	1.80	16.50	$150.00
18 to 24 in. spread	2.50	22.50	200.00
2 to 2½ ft. spread	3.50	32.50	300.00
2½ to 3 ft. spread	4.50	40.00	.....
3 to 3½ ft. spread	5.75	55.00	500.00
3½ to 4 ft. spread	6.50	62.50	.....
4 to 4½ ft. spread	8.50	80.00	.....
4½ to 5 ft. spread	10.50	100.00	.....
5 to 5½ ft. spread	12.00	115.00	.....
8 to 9 ft. spread	20.00	.....	.....
Write for prices on larger sizes.			
Chinensis Pfitzeriana (Upright Pfitzer). These have been staked into an upright growing habit.			
2½ to 3 ft.	5.00	47.50	.....
3 to 3½ ft.	7.00	.....	.....
3½ to 4 ft.	10.00	.....	.....
Chinensis Pfitzeriana Compacta. A compact form of the popular Pfitzer Juniper. Has light gray green foliage. 2 to 2½ ft.	5.00	47.50	.....
2½ to 3 ft.	5.75	55.00	.....
3 to 3½ ft.	6.50	62.50	.....
Chinensis Procumbens. Long trailing branches; foliage glaucous green. 3½ to 4 ft. spread	4.50	42.50	.....
Communis Hibernica (Irish Juniper). Very narrow, symmetrical tree with glaucous green foliage. 3½ to 4 ft.	4.00	37.50	.....
4 to 4½ ft.	4.50	42.50	.....
4½ to 5 ft.	5.00	47.50	.....
Horizontalis Plumosa (Andorra Juniper). Of low-spreading, irregular form with bright green foliage, reddish purple in fall. 18 to 24 in.	3.00	27.50	.....
3½ to 4 ft.	6.00	.....	.....
4 to 4½ ft.	8.00	75.00	.....
Sabina (Savin Juniper). Dark green foliage. Spreading, semi-erect branches. 18 to 24 in.	2.25	20.00	.....
2 to 2½ ft.	2.50	22.50	.....
2½ to 3 ft.	3.25	30.00	.....

JUNIPERUS—Continued	Each	10	100
Sabina Prostrata Horizontalis. Light green foliage. Low-spreading branches that form a dense mat over the ground. 3 to 3½ ft.	$3.75	$35.00	.....
3½ to 4 ft.	4.75	45.00	.....
4 to 4½ ft.	5.50	52.50	.....
Sabina Von Ehron. Semi-spreading, picturesque drooping branches, and very dark green foliage. 18 to 24 in.	2.25	20.00	.....
2 to 2½ ft.	3.00	25.00	.....
2½ to 3 ft.	4.00	37.50	.....
3 to 3½ ft.	5.00	47.50	.....
Sabina Von Ehron-Upright. Staked form of above. 6 to 7 ft.	10.00	.....	.....
7 to 8 ft.	12.00	.....	.....
Scopulorum, Colorado J. A blue green narrow columnar form. 4 to 4½ ft.	4.00	37.50	.....
4½ to 5 ft.	4.50	42.50	.....
5 to 5½ ft.	5.50	52.50	.....
5½ to 6 ft.	6.50	62.50	.....
Scopulorum Chandleri, Chandler's Silver J. A compact pyramid, bright silvery blue. 3½ to 4 ft.	5.50	52.50	.....
4 to 4½ ft.	6.50	62.50	.....
Virginiana (Red Cedar). Tall-growing, of dense conical habit. Foliage dark green, bronze in winter. 3 to 3½ ft.	2.50	22.50	....
3½ to 4 ft.	3.00	27.50	....
4 to 4½ ft.	4.00	37.50	....
4½ to 5 ft.	4.50	42.50	....
6 to 7 ft.	6.50	60.00	.....
7 to 8 ft.	7.00	.....	....
8 to 9 ft.	8.50	80.00	...
9 to 10 ft.	10.00	95.00	.....
10 to 12 ft.	11.50	.....	.....
12 to 14 ft.	14.00	.....	.....
Virginiana Burki. Of compact pyramidal growth; dark steel blue foliage. 3½ to 4 ft.	5.50	52.50	.....
4 to 4½ ft.	6.50	62.50	.....
4½ to 5 ft.	7.50	72.50	.....
5 to 5½ ft.	8.25	80.00	.....
5½ to 6 ft.	9.25	90.00	.....
6 to 6½ ft.	10.25	100.00	.....
6½ to 7 ft.	11.50	110.00	.....
Virginiana Canaerti (Canaert Red Cedar). Rich, deep green foliage, heavily tufted. 3 to 3½ ft.	4.50	40.00	.....
3½ to 4 ft.	5.50	52.50	.....
4 to 4½ ft.	6.50	62.50	.....
4½ to 5 ft.	7.50	72.50	.....
5 to 5½ ft.	8.25	80.00	.....
5½ to 6 ft.	9.50	90.00	.....
6 to 6½ ft.	10.50	100.00	.....
6½ to 7 ft.	11.50	110.00	.....
7 to 7½ ft.	13.00	.....	.....
7½ to 8 ft.	14.50	.....	.....
Virginiana Glauca (Silver Red Cedar). A form of the Red Cedar with silvery tinged foliage. 3½ to 4 ft.	5.50	52.50	.....
4 to 4½ ft.	6.50	62.50	.....
4½ to 5 ft.	7.50	72.50	.....
5 to 5½ ft.	8.25	80.00	.....
5½ to 6 ft.	9.50	90.00	.....
6 to 6½ ft.	10.50	100.00	.....
6½ to 7 ft.	11.50	110.00	.....
Virginiana Hilli (Dundee Juniper). Of dense, conical form; foliage bluish gray green, fine plum color in fall and winter. 5 to 5½ ft.	8.00	75.00	.....
5½ to 6 ft.	9.50	92.50	.....
Virginiana Schotti (Schott Red Cedar). Fresh green foliage that does not change in winter. 3 to 3½ ft.	4.50	40.00	.....
3½ to 4 ft.	5.50	52.50	.....
4 to 4½ ft.	6.50	62.50	.....
4½ to 5 ft.	7.50	72.50	.....
5½ to 6 ft.	9.50	90.00	.....
6 to 6½ ft.	10.50	100.00	.....
6½ to 7 ft.	11.50	110.00	.....
PACHYSANDRA Terminalis (Evergreen Spurge). Excellent groundcover for shady places. 2¼ inch pots	1.50		12.00
PICEA.			
Canadensis Albertiana (Black Hill Spruce). A very hardy, compact-growing spruce with dark green foliage. 3 to 3½ ft.	4.25	40.00	.....
3½ to 4 ft.	5.25	50.00	.....
4 to 4½ ft.	6.25	60.00	.....
4½ to 5 ft.	7.25	.....	.....
5 to 5½ ft.	8.25	.....	.....
Excelsa (Norway Spruce). 18 to 24 in.	1.50	13.50	.....
2 to 2½ ft.	2.00	17.50	.....
Pungens Glauca (Colorado Blue Spruce). Selected blue. 3½ to 4 ft.	7.50	72.50	.....
5 to 5½ ft.	12.50	120.00	.....
5½ to 6 ft.	13.50	.....	.....
6 to 6½ ft.	15.00	.....	.....
6½ to 7 ft.	17.50	.....	.....
Larger Sizes, Prices on Application.			

EVERGREENS—Continued	Each	10	100
Pungens Moerheimi (Moerheim Blue Spruce). Foliage of bright intense blue, grown from grafts. Superior to the Koster Blue Spruce. 6½ ft.	$30.00	.....	.....
7 ft.	32.50	.....	.....
7½ ft.	35.00	.....	.....
8 ft.	37.50	.....	.....
8½ ft.	40.00	.....	.....
9 ft.	45.00	.....	.....
10 ft.	50.00	.....	.....
PINUS Montana Mughus (Mugho Pine). A low-growing round topped evergreen, fine for rock planting and foundation work. 12 in.	1.50	$13.50	.....
15 in.	2.25	20.00	.....
18 in.	2.75	25.00	.....
2 ft.	3.50	32.50	.....
Nigra (Austrian Pine). A robust, stately tree of rapid growth, and very hardy. 2½ to 3 ft.	3.00	27.50	.....
3 to 3½ ft.	3.50	32.50	.....
3½ to 4 ft.	4.00	37.50	.....
4 to 4½ ft.	4.75	45.00	.....
Resinosa (Red Pine). A hardy tree with long glossy green needles. 2½ to 3 ft.	3.00	27.50	.....
3 to 3½ ft.	3.25	30.00	.....
3½ to 4 ft.	4.00	37.50	.....
Sylvestris (Scotch Pine). 3 to 3½ ft.	3.00	27.50	.....
3½ to 4 ft.	3.50	32.50	.....
4 to 4½ ft.	4.25	40.00	.....
TAXUS Cuspidata (Japanese Yew). Rich dark green foliage; spreading bushy habit. Does best in shade. 15 to 18 in.	4.00	37.50	.....
18 to 24 in.	5.75	55.00	.....
2½ to 3 ft.	9.00	85.00	.....
3 to 3½ ft.	12.00	117.50	.....
3½ to 4 ft.	15.00	.....	.....
4 to 4½ ft.	18.50	.....	.....
4½ to 5 ft.	23.50	.....	.....
Cuspidata Capitata (Upright Japanese Yew). Erect, symmetrical form of the above. 18 to 24 in.	4.25	40.00	.....
2 ft.	5.50	52.50	.....
2½ ft.	7.50	72.50	.....
Cuspidata Nana (Dwarf Japanese Yew). 2½ ft.	10.00	.....	.....
3½ ft.	25.00	.....	.....
Cuspidata Intermedia (Intermedia Yew). Similar to the Dwarf Japanese Yew, but a faster grower. 18 to 24 in.	6.50	.....	.....
2 to 2½ ft.	7.50	.....	.....
3 to 3½ ft.	13.50	.....	.....
Hicksi (Hick's Yew). Very compact, narrow upright. 2 ft.	4.00	37.50	.....
2½ ft.	5.00	47.50	.....

THUJA Occidentalis (American Arborvitae).	Each	10	100
3½ to 4 ft.	$2.50	$22.50	.....
4 to 4½ ft.	3.00	27.50	.....
4½ to 5 ft.	3.25	30.00	.....
5 to 5½ ft.	3.50	32.50	.....
5½ to 6 ft.	4.00	37.50	.....
6 to 6½ ft.	4.50	40.00	.....
6½ to 7 ft.	5.00	45.00	.....
7 to 8 ft.	6.00	55.00	.....
8 to 9 ft.	8.00	77.50	.....
9 to 10 ft.	10.00	95.00	.....
10 to 12 ft.	12.00	111.00	.....
Occ. Douglasi Pyramidalis (Douglas Pyramidal Arborvitae). Of compact, tall slender form; foliage dark green with lighter tips. 3½ to 4 ft.	3.00	27.50	.....
4 to 4½ ft.	3.50	32.50	.....
4½ to 5 ft.	4.00	37.50	.....
5 to 5½ ft.	4.50	42.50	.....
5½ to 6 ft.	5.00	.....	.....
Occ. Globosa (Am. Globe Arborvitae). A round, compact form, dark green foliage. 12 in.	1.50	12.50	.....
15 in.	1.75	15.00	.....
18 in.	2.00	17.50	.....
Occ. Pyramidalis (Am. Pyramidal Arborvitae). A compact, narrowly pyramidal tree with bright green foliage. 3½ to 4 ft.	2.75	25.00	.....
4 to 4½ ft.	3.25	30.00	.....
4½ to 5 ft.	3.75	35.00	.....
5 to 5½ ft.	4.00	37.50	.....
5½ to 6 ft.	4.50	42.50	.....
6 to 6½ ft.	5.00	47.50	.....
6½ to 7 ft.	5.50	50.00	.....
7 to 8 ft.	6.50	60.00	.....
8 to 9 ft.	7.50	70.00	.....
Occ. Rosenthali (Rosenthal Arborvitae). Dark green dense foliage; compact grower. 2½ to 3 ft.	2.50	22.50	.....
3 to 3½ ft.	3.00	27.50	.....
3½ to 4 ft.	4.00	35.00	.....
Occ. Wareana (Ware Arborvitae). Of dense, broad, pyramidal form with rich green foliage. Very hardy. 3½ to 4 ft.	4.00	37.50	.....
4 to 4½ ft.	4.50	42.50	.....
4½ to 5 ft.	5.00	45.00	.....
5 to 5½ ft.	6.00	55.00	.....
Occidentalis Woodwardi (Woodward Globe Arborvitae). 12 in.	1.50	12.50	.....
15 in.	1.75	15.00	.....
18 in.	2.00	17.50	.....

All evergreens personally selected and tagged in the Nursery, will be charged for according to their value, usually 25% above catalog price.

All Prices F. O. B. Our Nurseries, Western Springs, Ill., Subject to Change Without Notice. Packing Charges Additional at Cost.

Vaughan's Peonies

All Prices are F.O.B. Western Springs, Ill.
Packing Charges to be added at cost.

5 of a Kind at the 10 Rate—25 of a Kind at the 100 Rate

We have put the following varieties in storage and can only supply them in divisions from 3 to 5 eyes while the stock lasts.

Peonies may be planted in early spring with good results.

WHITE AND LIGHT SORTS

	Each	10	100
8.8 **Alsace Lorraine.** Creamy white, center tinted Havana brown. Very beautiful in both color and form. Late midseaon	$0.60	$5.00	$45.00
9.0 **Baroness Schroeder.** Large flowers of delicate flesh-white. Excellent cut-flower variety	.60	5.00	.....
9.3 **Festiva Maxima.** Popular large white. Early	.50	4.50	40.00
7.9 **Mad. de Verneville.** Fragrant flowers, very full double, pure white, with center delicately tinted bluish. Early	.50	3.50	30.00
9.2 **Solange.** Compact blooms of deep cream color tinged with amber and salmon. Late	.60	5.50	.....

LIGHT AND DARK PINK AND ROSE

7.6 **Edulis Superba.** Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant	.50	4.00	35.00
9.1 **Martha Bullock.** Immense cupped shape flowers of bright old-rose pink. Fragrant; late	.75	6.50	.....
9.5 **Therese.** Immense, flat blooms of violet rose changing to lilac-white; early midseason	.90	7.50	.....

RED AND CRIMSON

8.4 **Felix Crousse.** Large globular blooms of rich, even brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety	.60	5.00	45.00
8.2 **Grover Cleveland.** Large compact flowers of rich bright crimson on stiff stems. It has excellent foliage and is one of our most desirable reds. Late midseason	.60	5.00	45.00
8.8 **Karl Rosefield.** Very large globular flower of rich velvety-crimson. Extremely vigorous grower, tall, early midseason	.75	6.00	50.00

UN-NAMED PEONIES—Divided Roots of from 3 to 5 Eyes

Double Pink	$0.50	$3.50	$27.00
Double White	.50	3.50	27.00
Double Red	.50	4.00	32.50

Vaughan's Irises

"S" refers to the three standard or upright curling petals.

"F" refers to the three falls or drooping petals.

All prices are F.O.B. Western Springs, Ill., packing charges to be added at cost.

	Each	10	100
Autumn King. 30 in. A large blue-purple bicolor	$0.25	$ 2.00	$15.00
Brunhilde. 38 in. A rich dark blue purple self. Vigorous grower; free flowering; very fragrant	.35	3.00	.....
California Gold. 36 in. A super novelty with magnificent, large flowers of dazzling, deep golden yellow	.35	3.00	.....
China Maid. 48 in. An intriguing blend of pink, golden copper and soft lilac. Large flowers of fine form	.75	6.50	.....
City of Lincoln. 40 in. Magnificent bicolor. Standards of bright yellow, falls rich, velvety red; golden edged	1.10	10.00	.....
Claribel. 40 in. A giant flowered, snow-white plicata, feather-stitched in soft blue	.35	3.00	22.50
Deep Velvet. 38 in. Very large, rich and stunning, deep blue-purple, almost black, with a red violet cast	2.50	.....	.....
Destiny. 38 in. A great dark toned Iris. "S" deep purple; "F" well shaped, bright, blackish red-purple, with rich golden beard	.40	3.00	25.00
Eleanor Roosevelt. 28 in. Deep velvety purple self. Profuse bloomer twice a year	.30	2.50	20.00
Golden Majesty. 42 in. A truly superb deep yellow iris. Large blooms of thick substance do not fade	.75	6.00	.....
Happy Days. 40 in. An immense clear yellow with flowers over 7 inches from top to bottom. Perfectly branched	.35	3.00	25.00
Jasmania. 38 in. A big, soft and luminous yellow, with a faint bluish tinge in center of the falls. Plant unusually vigorous and free flowering	.35	3.00	25.00
Midwest Gem. 36 in. Immense ruffled flowers of luminous apricot, flushed pink. Very fragrant and unusual	.60	.....	.....
Ming Yellow. 50 in. The perfect yellow Iris. Vigorous in growth, strong foliage and stout, well branched stems	1.50	12.50	.....
Missouri. 36 in. Clear vivid blue of sensational size	.45	4.00	.....
Radiant. 33 in. Very free blooming Iris. Golden-brown standards and falls are a coppery red. Truly distinctive	.75	.....	.....
Rebellion. 38 in. "S" coppery-rose; "F" glowing deep blood-red. A vividly colored Iris of good substance	.35	3.00	25.00
Red Dominion. 40 in. An outstanding variety of glowing ox-blood red	.35	3.00	25.00
Snow Flurry. 40 in. Enormous, beautifully ruffled flowers of pure icy white, very faintly flushed blue	3.50	.....	.....

SIBERIAN IRIS

Emperor. Large flowers of deep violet-blue	.25	2.00	15.00
Perry's Blue. A tall, beautiful variety excellent for cutting. Large, well formed flowers of sky-blue	.20	1.50	12.00

Vegetable Plants With a Pedigree

Vaughan's Seeds of Table Quality Varieties are a Sure Selling Specialty

ONE of the most profitable spring crops for the greenhouse or hot-bed plant is seedling vegetable plants for home gardeners. Grow your plants from Vaughan's seeds and advertise the fact. It will bring you discriminating customers and higher prices. On this page we describe some of the varieties which we recommend for vigorous and fast selling plants.

For other varieties, see the vegetable list on the followng pages or write for a copy of our retail catalogue, which gives a complete list of vegetables with full descriptions. By advertising that your plants are grown from Vaughan's seeds you will attract customers from the thousands who have received this catalogue.

BROCCOLI ITALIAN GREEN SPROUTING

BROCCOLI

Green Sprouting Calabrese. 70 days. The best strain for Market, Home Garden or freezing, suitable in north or south. 18 inches tall; branching, forming compact head of bluish green flower buds. After the main head is removed smaller heads are produced from the branches which continue to the end of the season. Pkt., 15c; oz., 25c; ¼ lb., 65c; lb., $1.75.

CABBAGE YELLOWS-RESISTANT

We offer the best resistant strains of cabbage seed through the cooperation of some of the best cabbage experts in the district of Racine, Wisconsin. We can not offer anything resistant to virus, as no method of breeding or treatment is known to have any effect on this disease. As a second precaution, everyone should give the hot water treatment to cabbage seed to insure freedom from black rot. Just before planting soak the seed for 30 minutes in water heated to 122° F.

Bugner. 100 days. This is the most popular of all the green types of cabbage for Market, Home Garden, Kraut and storage. It is one of the heaviest for size of head, being firm, tender and excellent quality. 8 inches round, flattened slightly, deep through, 7 inches, weighing 10 pounds or more, outer leaves deep purplish green with a tight folded leaf covering the head. Pkt., 25c; oz., $1.35; ¼ lb., $4.00; lb., $12.00.

Globe. Matures in about 60 days. The earliest yellows-resistant cabbage yet developed. A solid, round head of excellent flavor, crisp and tender. Pkt., 15c; oz., 45c; ¼ lb., $1.45; lb., $4.25.

Jersey Queen. 60 days. Very similar to Early Jersey Wakefield, but bred for resistance to yellows. Pkt., 15c; oz., 45c; ¼ lb., $1.40; lb., $4.00.

Red Yellows Resistant. 100 days. While this is not quite as large as the Long Island Mammoth Rock Red strain, it is darker and more uniform; being yellows resistant, is safer to grow. All sections of the country are becoming infested with yellows so it is important that resistant strains be more extensively used. Pkt., 15c; oz., 65c; ¼ lb., $1.65; lb., $5.00.

Marion Market. 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 15c; oz., 50c; ¼ lb., $1.50; lb., $4.50.

Standard Bred Cabbages

Reselected Copenhagen Market Extra Early. Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types. Market growers have reported their entire crop of this strain harvested before heads from other seed of this variety were ready to cut.

Reselected Tested Stock. Oz., 50c; ¼ lb., $1.50; lb., $4.50.

Early Jersey Wakefield. 62 days. Very pointed, hard head, 7 inches long, 5 inches wide. Desirable for the southern trade; stands close planting. Oz., 35c; ¼ lb., 85c; lb., $2.45.

Golden Acre.

Matures in about 60 days. This early round headed variety is slightly earlier than our reselected extra early Copenhagen Market and is similar in most other respects, except that its heads are slightly smaller, weighing 4 to 5 lbs. Oz., 40c; ¼ lb., $1.00; lb., $3.00.

GOLDEN ACRE DANISH GROWN. Oz., 50c; ¼ lb., $1.45; lb., $4.25.

Glory of Enkhousen. Matures in about 80 days. This globe-shaped, medium early variety is of excellent flavor and crispness, producing heads weighing eight to ten pounds, and more uniform than the earlier types. Oz., 35c; ¼ lb., 95c; lb., $2.75.

Cauliflower

Vaughan's New Snowball. Matures in about 55 days. For early outdoor planting and forcing, as well as for late sowing for the fall crop, this variety is standard. A well grown head measures 9 to 10 inches across with depth in proportion and a perfectly white core. Pkt., 30c; ½ oz., 90c: oz., $1.75; ¼ lb., $5.00.

Resistant Celery

Michigan Golden (College Golden). Developed at Michigan State Agricultural College. A new strain of self-blanching celery resistant to root rot or crown rot "Fusarium Yellows," bred from the tall strain of Golden self-blanching. Pkt., 35c; ½ oz., $1.15; oz., $2.00; ¼ lb., $6.00.

JERSEY QUEEN CABBAGE Yellow Resistant

CELERY

Easy Blanching. 110 days. Early green variety of erect, compact growth, blanching easily; 18-22 inches tall, stalks thick, solid, excellent flavor. Pkt., 10c, oz., 65c; ¼ lb., $2.00; lb. $6.00.

White Plume. 125 days. Foliage green, tinted white, 18-20-inch stalk blanching easily to nearly white. Pkt., 10c; oz., 65c; ¼ lb., $2.00; lb., $6.00.

Golden Self Blanching Short. 90 days. 20-24 inches tall, stocky, solid, thick, stalks blanching easily. Pkt., 10c; oz., 75c; ¼ lb., $2.35; lb., $7.00.

CUCUMBER

The Vaughan. 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

Colorado, or "A and C." 68 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

EGG PLANT

Minnoval. 73 days. Medium size plant bearing 6-8 large fruit, 7x5 inches in shape of a blunt-ended football; dark purple, glossy, excellent for home or market garden. Pkt., 15c; oz., 65c; ¼ lb., $1.70; lb., $5.00.

Black Beauty. 110 days. Twelve days earlier than New York. In shape it is broad and thick, perfectly spineless and smooth; beautiful, rich purple color and handsome lustre. Oz., 65c; ¼ lb., $1.70; lb., $5.00.

Bibb Lettuce

Bibb lettuce, sometimes called Limestone, is a fast growing, loose heading variety of exceptional tenderness, which for several years has been grown in the vicinity of Louisville, Ky., and marketed in luxury hotels of the central west.

As the market spreads, other sections will find it profitable to grow this excellent variety. It produces a crop two weeks earlier than Grand Rapids. It is usually sown in flats, and the plants are transplanted to the bench spaced 6 by 6 inches. When the temperatures run above 75 degrees, this variety quickly bolts. It should be grown with a night temperature about 48-52 degrees, and the day temperature not over 60 degrees on cloudy days.

Lettuce Bibb (Limestone). 57 days. This dark green, tender, brittle lettuce, which quickly makes loose heads as big as your fist, is becoming well-known to chefs of luxury hotels and to high priced food shops. Some say it was once known as "Half Century," others that it was bred by Maj. John Bibb, of Kentucky, born in 1789. It is making a comeback and we can promise you a fine spring crop, but must warn that it goes to seed quickly in hot weather. Pkt., 20c; oz., 35c; ¼ lb., 85c; lb., $2.50.

Grand Rapids. About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Great Lakes. 75 days. A tight heading variety of the commercial New York type bred to produce mature heads in the hot summer weather of the middle west. It is slow to run to seed but needs fertile soil, and ample spacing in the garden row. Pkt., 15c; oz., 50c; ¼ lb., $1.50; lb., $4.25.

ONION

Valencia Sweet Spanish. Matures in about 110 days. Here is a mild, sweet, giant onion of the true Spanish type. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. Pkt., 15c; ¼ lb., $1.75; lb., $5.00.

White Lisbon. Strictly a bunching onion. Plants do not form bulbs, but long, smooth white stems; twice the size of ordinary bunching onions. Very hardy and can be planted either in spring or fall. Pkt., 15c; ¼ lb., $1.50; lb., $4.50.

Peppers

Vaughan's Giant Magnum Dulce. This fine mild pepper can be grown to immense size—seven inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $1.65.

King of the North. 65 days. One of the earliest Peppers, of good size, dark green, turning to a deep rich red. One of the most productive and of good market size. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $1.75.

World Beater. One of the best of the large peppers, 5 inches long by 3½ inches in diameter. Flesh mild and thick, a rich deep red when ripe. Very prolific. Pkt., 10c; ½ oz., 40c; oz., 65c; ¼ lb., $1.75.

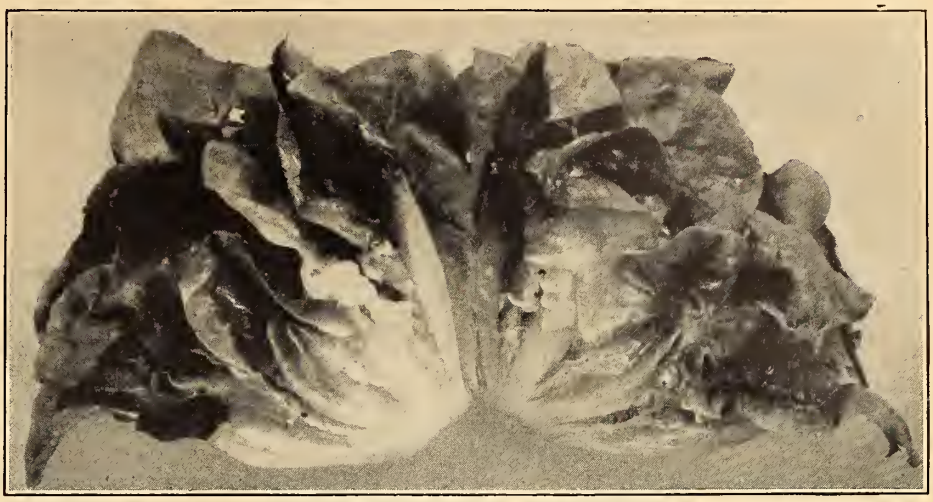
Crimson Giant. One of the earliest large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, deep green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $1.85.

Hungarian (Hot). In 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Pale green turning to red. Pkt., 10c; ½ oz., 40c; oz., 65c; ¼ lb., $1.75.

Bull Nose, Hot. In 70 days. A pungent pepper. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

KOHLRABI

Early White Vienna. 55 days. Produces bulbs above the ground of a pale greenish white color and are eaten when about 2 inches or more in size. Flavor of turnip. Pkt., 10c; oz., 35c; ¼ lb., 75c; lb., $2.25.



CROSS SECTION OF BIBB LETTUCE

RADISH

Early Scarlet Globe Select. (F.) 20 days. Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days.

Short Top—Pkt., 15c; ¼ lb., 35c; lb., $1.00; 100 lbs. at 90c per lb.

Scarlet Turnip White Tip. 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain. Pkt., 10c; ¼ lb., 30c; lb., 85c; 100 lbs. at 75c per lb.

TOMATOES

For Plants Resistant to Wilt

Pritchard. 76 days. The name of Scarlet Topper somewhat indicates its peculiarity. It is a brilliant red, very productive and has a goodly percent of resistance to wilt. Oz., 45c; ¼ lb., $1.35; lb., $4.00.

TOMATO RUTGERS

Rutgers. 86 days. An exceptionally heavy producer of good sound heavy walled fruit, medium acid, thick flesh and good shipper. Oz., 50; ¼ lb., $1.45; lb., $3.95.

VALENCIA SWEET SPANISH ONION

TOMATOES—Continued

Greater Baltimore (Indiana Strain). In about 82 days. Similar to Stone and very productive. Fruits deep scarlet, smooth and solid. Pkt., 10c; oz., 65c; ¼ lb., $1.85; lb., $5.25.

Greater Baltimore (Indiana Strain) certified. Pkt., 10c; oz., 75c; ¼ lb., $1.85; lb., $5.25.

Marglobe. 77 days. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks.

Marglobe Certified. Pkt., 15c; oz., 65c; ¼ lb., $1.50; lb., $4.50.

STANDARD BRED TOMATOES

Bonny Best. 73 days. Smooth, large and uniform fruit; yields well until frost. Oz., 65c; ¼ lb., $1.65; lb., $5.00.

Crimson Cushion or Beefsteak. 90 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., $2.50.

Ponderosa—The Giant Tomato. 88 days. Of the large fruited varieties this one is most popular. Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Oxheart. 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder. Pkt., 15c; ½ oz., 65c; oz., $1.15; ¼ lb., $3.25.

Golden Ponderosa. 88 days. A yellow Ponderosa equal in size to red. Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., $2.50.

Vaughan's Special Earliana. 66 days. Earliest large, smooth bright red tomato. Oz., 75c; ¼ lb., $2.35; lb., $7.00.

Vaughan's Vegetable Seeds for Florists

VAUGHAN'S VEGETABLE SEEDS

FOR 70 years Vaughan's Seed Store has specialized in quality vegetable seeds for commercial as well as amateur growers. We maintain one of the largest seed testing laboratories in the world and neither buy nor sell any seeds that fail to come up to the highest standards of purity and germination. In addition to this, we place emphasis upon the care, breeding and selection of our seeds in order to insure that they bear crops that are uniform and true to type.

ARTICHOKE

	Oz.	¼ lb.	Lb.
GREEN GLOBE	$1.00	$3.00	$10.00

ASPARAGUS SEED

Mary Washington	.25	.60	1.75
Paradise	.45	1.25	3.50

ASPARAGUS ROOTS

	100	1000	5000 per 1000
Mary Washington. 1 Year Old	$2.25	$20.00	$18.00
2 Years Old	2.50	22.00	20.00
Paradise, 1 year roots	2.75	25.00	.....

BUSH BEANS—Green Pod

	1 to 5 lbs., per lb.	10 lbs.	100 lbs.
Black Valentine Stringless	$0.35	$2.00	$18.00
Early Red Valentine Stringless	.35	2.00	18.00
Stringless Green Pod	.35	2.20	20.00
Dwarf Horticultural	.35	2.20	20.00
Improved Navy	.25	1.60	14.00
Bountiful Stringless	.35	2.20	20.00
Giant Stringless Green Pod	.35	2.10	19.00
Tendergreen	.35	2.40	22.00
Great Northern	.25	1.70	15.00
Stringless Refugee	.35	2.20	20.00
Plentiful	.35	2.20	20.00
Streamliner	.35	2.30	21.00
Wonderful	.35	2.40	22.00
Long Green	.40	3.20	30.00

WAX BEANS

Davis Stringless Wax	.35	2.40	22.00
Golden Wax	.35	2.50	23.00
Pencil Pod Black Wax	.35	2.30	21.00
Round Pod Kidney Wax	.35	2.70	25.00
Gold Standard	.35	2.40	22.00
Sure Crop Bountiful Wax	.35	2.30	21.00
Unrivalled Wax	.35	2.30	21.00
Improved New Kidney	.35	2.50	23.00

BUSH LIMA BEANS

Baby Potato	.35	2.20	20.00
Henderson U. S. No. 2	.35	2.00	18.00
Burpee's Bush Lima	.35	2.30	21.00
Fordhook Bush Lima	.35	2.50	23.00
Burpee's Improved Bush Lima	.35	2.30	21.00
Jackson Wonder	.35	2.00	18.00
Cangreen	.35	2.10	19.00
Fordhook 242	.35	2.70	25.00
Early Market	.35	2.70	25.00

POLE LIMA

Early Leviathan	.35	2.40	22.00
Carolina Sieva	.35	2.00	18.00
King of the Garden	.35	2.30	21.00
Large White Seeded	.35	2.20	20.00
Succulence	.35	2.00	18.00
Florida Butter	.35	2.00	18.00

POLE BEANS—Green Pod

Burger's Stringless	.35	2.20	20.00
Cut Short or Corn Hill	.35	2.20	20.00
Horticultural Cranberry	.35	2.20	20.00
Kentucky Wonder or Old Homestead	.35	2.20	20.00
Lazy Wife	.35	2.20	20.00
McCaslan	.35	2.20	20.00
White Creaseback	.35	2.20	20.00
Scarlet Runner	.35	2.40	22.00

Wax Pod

	Lb.	10 lbs.	100 lbs.
Early Golden Cluster Wax	$0.35	2.40	22.00
Kentucky Wonder Wax	.35	2.50	23.00

BEETS

	¼ lb.	Lb.	5 lbs. per lb.
Perfected Detroit	$0.50	$1.45	$1.35
Crosby's {Vaughan's Selected Stock	.50	1.50	1.40
Egyptian {Standard Stock	.45	1.35	1.25
Detroit Dark Red	.45	1.35	1.25
Good For All	.50	1.45	1.35
Improved Early Egyptian	.45	1.35	1.25
Early Wonder	.45	1.35	1.25
Early Blood Turnip, Select	.45	1.35	1.25
MANGEL—Vaughan's Mammoth Long Red.	.35	.85	.80
Golden Tankard	.35	.85	.80
Giant Half Sugar Rose	.35	.85	.80
Barres Sludstrup. Danish Grown	.35	.85	.80
SUGAR BEETS—			
Klein's Wanzleben	.35	.85	.80

BROCCOLI

	Oz.	¼ lb.	Lb.
Italian Calabrese	$0.25	.65	$1.75

BRUSSELS SPROUTS

Long Island Improved	.45	1.25	3.75
Improved Dwarf	.50	1.45	4.25

CABBAGE

YELLOWS-RESISTANT CABBAGES

Arranged According to Maturity

	Oz.	¼ lb.	Lb.
Jersey Queen	$0.45	$1.40	$ 4.00
Racine Market (Wisconsin Pride)	.65	1.65	5.00
Wisconsin All Head	.45	1.35	3.90
Marion Market	.50	1.50	4.50
Globe	.45	1.45	4.25
Wisconsin Ballhead	.45	1.40	4.00
Bugner	1.35	4.00	12.00
Wisconsin All Season	.45	1.35	3.90
Wisconsin No. 8	.45	1.40	4.00
Wisconsin Red Resistant	.65	1.65	5.00

STANDARD VARIETIES

Early Jersey Wakefield	.35	.85	2.45
Charleston Wakefield	.35	.85	2.45
Copenhagen Market	.35	.95	2.75
Copenhagen Market Extra Early Selections.	.45	1.25	3.75
Golden Acre	.40	1.00	3.00
Golden Acre. Danish Grown	.50	1.45	4.25
Green Acre	.45	1.40	4.00
Early Flat Dutch	.35	.85	2.45
Vaughan's All Seasons	.35	.85	2.45
Glory of Enkhousen	.35	.95	2.75
Early All Head or Faultless	.35	.85	2.45
Vaughan's Premium (Late) Flat Dutch	.35	.95	2.75
Chinese or Celery Cabbage Vaughan Strain	.25	.65	1.75
Chinese or Celery Cabbage Commercial Strain	.25	.65	1.75
Chinese Cabbage Wong Bok	.25	.65	1.75
Danish Ballhead (Dwarf Amager)	.40	1.10	3 25
New Penn State Ballhead	.45	1.35	3.75
SAVOY CABBAGE—			
Long Island Chieftain	.50	1.50	4.50
RED CABBAGE—			
Red Resistant	.65	1.65	5.00
Long Island Red	.40	1.30	3.75

These Prices Subject to Change Without Notice.

CARROT

	¼ lb.	Lb.	5 lbs. Per lb.
Danvers Half Long. Vaughan's Selected Stock	$0.50	$1.50	$1.40
Improved Chantenay	.50	1.50	1.40
Chantenay. Red core	.50	1.50	1.40
Imperator	.50	1.50	1.40
Early Short Scarlet (Dutch Horn)	.65	1.75	1.65
Guerande or Oxheart	.50	1.50	1.40
Nantes Half Long Scarlet, Stump-rooted	.65	1.75	1.65
Improved Long Orange	.50	1.50	1.40
Vaughan's Bunching	.65	1.75	1.65
Sweetheart	1.20	3.50	3.40

USEFUL VEGETABLES

	Oz.	¼ lb.	Lb.
Chicory, Magdeburg. Large rooted	$0.35	$0.85	$2.50
Chicory, Witloof or French Endive. Fancy.	.35	0.85	2.50
Cress, Curled or Pepper Grass	.25	.65	2.00
Cress, Upland	.25	.65	1.75
Collards, Georgia or Cabbage	.15	.35	1.00
Cardoon	.85	2.50	7.50
Chives. Pkt., 25c; ½ oz., 30c;	.50	1.50	....

CAULIFLOWER

Vaughan's Extra Select Snowball. Pkt., 30c; ¼ oz., 65c; ½ oz., $1.25; oz., $2.50.

Snowdrift. Pkt., 30c; ¼ oz., 50c; ½ oz., 90c; oz., $1.75

Vaughan's New Snowball

One of our Specialties. We know our strain is the equal of any that can be produced. We have tried nearly every other on the market and we have never yet come across anything superior to Vaughan's New Snowball. It is the result of years of careful selection by a most capable and painstaking gardener who grew the seed especially for us on the island of Amagar, near Copenhagen, Denmark, where growing conditions are ideal for the production of perfect seed heads. Vaughan's New Snowball is the best general purpose variety for either spring or fall planting. Heads are usually 9 to 10 inches across, perfectly white, solid, deep and compact.
Pkt., 30c; ¼ oz., 50c; ½ oz., 90c; oz., $1.75.

Vaughan's Earliest Dwarf Erfurt

Combines all pedigree points—earliness, purity of color, dwarf habit and fine grain. A profitable market garden sort.
Pkt., 30c; ¼ oz., 50c; ½ oz., 90; oz., $1.75.

Danish or Dry Weather

For dry climate and dry seasons. Very sure heading and second early. Heads larger than Snowball and snow-white.
Pkt., 30c; ¼ oz., 50c; ½ oz., 90; oz., $1.75.

Autumn Giant. Very large and productive.
Pkt., 20c; ¼ oz., 40c; ½ oz., 75c; oz., $1.50.

CELERY

	Oz.	¼ lb.	Lb.
Giant Pascal. Easy-blanching and a fine keeper	$0.65	$2.00	$6.00
Soup Celery or Smallage. Green, for soups	.50	1.50	5.00
Easy Blanching	.65	2.00	6.00
Emperor. Splendid quality, dwarf	.65	2.00	6.00
White Plume. Vaughan's Selected Stock	.65	2.00	6.00
Golden Self-Blanching. New strain, tall	.95	2.75	8.00
Golden Self-Blanching. Short	.75	2.35	7.00
Golden Plume (Extra selected)	.85	2.50	7.50
Golden Plume (Standard)	.75	2.35	7.00
Michigan Golden (Yellows-resistant)	2.00	6.00	18.00
Winter Queen	.65	2.00	6.00
Golden Detroit	.75	2.35	7.00
Utah Golden.....(Crop failure)	....	....	....
Salt Lake	.65	2.00	6.00
Cornel No. 19	1.00	3.00	9.00

CELERIAC

Large Smooth Prague. Earliest of all	.60	1.85	5.50

SWEET CORN

Hybrid and top crosses are starred (*).

	Lb.	10 lbs.	100 lbs.
*Surprise	$0.50	$3.70	$35.00
*Our Choice	.50	3.70	35.00
*Erlibird	.50	3.70	35.00
Golden 60-Day	.35	2.20	20.00
Golden Sweet	.35	2.50	23.00
*Marcross	.50	3.70	35.00
Early Golden Bantam	.35	2.20	20.00
*Early Bancross	.45	3.70	35.00
Golden Sunshine	.35	2.20	20.00
*Sweet Cross	.50	3.70	35.00
60 Day White	.35	2.20	20.00
Golden Bantam	.35	2.00	18.00
*Bancross	.45	3.70	35.00
*Tendergold	.50	3.70	35.00
*Whipcross	.50	3.70	35.00
Whipple's Yellow	.35	2.20	20.00
Howling Mob	.35	2.20	20.00
Bantam Evergreen	.35	2.20	20.00
*Lee	.50	3.70	35.00
*Golden Cross	.50	3.70	35.00
Early Evergreen	.35	2.40	22.00
Country Gentleman	.35	2.40	22.00
Stowell's Evergreen	.35	2.40	22.00
*Narrow Grain Hybird	.50	4.20	40.00
*Evergreen Hybrid	.50	4.20	40.00
*Stowell's Hybrid	.50	4.20	40.00
*Ioana	.50	3.70	35.00
Golden Colonel	.35	2.50	23.00
Narrow Grain	.35	2.20	20.00

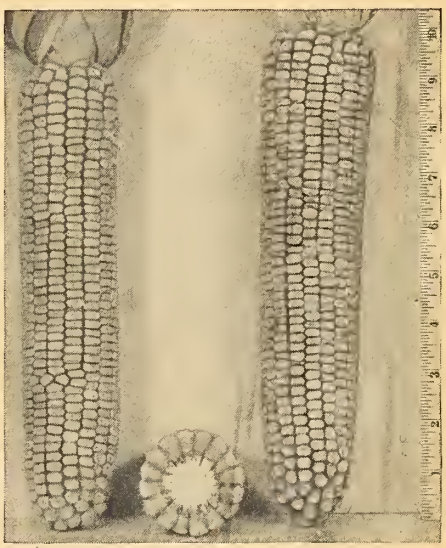
HYBRID FIELD CORN

We offer State Certified Hybrids—

For many years breeders at the University of Wisconsin have been constantly at work developing and improving hybrids adapted to Northern Illinois, Wisconsin, Michigan, Iowa and Indiana.

Through arrangements with the University we are able to offer these proven hybrids at the following prices:

Grade	½ Bu.	Bu.
Flat Kernels (Edge Drop)	$4.75	$8.50



CUCUMBERS

	Oz.	¼ lb.	Lb.
"A and C"	$0.30	$0.75	$2.25
Colorado	.30	.75	2.25
Evergreen, or Extra Long White Spine	.25	.75	2.25
Davis Perfect	.25	.65	1.95
Vaughan's Improved Arlington	.25	.65	1.95
Improved White Spine	.25	.65	1.95
Improved Long Green	.30	.75	2.10
Early Cluster	.25	.65	1.75
Westerfield's Chicago Pickle. One of our specialties	.25	.65	1.75
Early Russian	.25	.65	1.85
Lemon (True cucumber)	.25	.65	1.85
National	.25	.65	1.75
Boston Pickling	.25	.65	1.75
Early Frame	.25	.65	1.85
West India Gherkin	.30	.75	2.25
Early Fortune	.25	.65	1.85

These Prices Subject to Change Without Notice.

CUCUMBERS—Continued

	Oz.	¼ lb.	Lb.
The Vaughan. Finest of all for forcing or outdoors	$0.30	$0.75	$2.25
Quick Grow	.25	.65	1.75
Deltus	.25	.65	1.85
Mandarin	.35	.85	2.35
Straight Eight	.30	.75	2.25

DANDELION

Thick Leaved or Cabbaging. Pkt., 10c	.65	2.00	6.00

DILL

Oz., 15c; ¼ lb., 40c; lb., $1.10.

EGG PLANT

Black Beauty	.65	1.70	5.00
Vaughan's Improved N. Y. Purple	.65	1.70	5.00
Florida High Bush	.65	1.70	5.00
Minnoval	.65	1.70	5.00

ENDIVE

Green Curled Pancalier, Rose Ribbed	.20	.50	1.50
Green Curled Summer	.20	.50	1.50
Moss, Very Fine Curled	.20	.50	1.50
Broad-leaved Batavian White Escarolle Fla. Deep Heart	.20	.50	1.50
Ever White Curled	.20	.50	1.50
Fringed Deep Heart	.20	.50	1.50

GARLIC

Selected Bavarian, lb., 55c. Write for prices on larger lots.

HERBS

Anise	.35	.85	2.50
Borage	.50	1.50	4.50
Caraway	.30	.65	2.00
Coriander	.25	.65	2.00
Catnip	1.00	3.00	9.00
Fennel, Florence	.25	.50	1.50
Fennel, Sweet	.35	.70	2.00
Horehound	....	....	....
Lavender Spica	....	....	....
Lavender (True)	....	....	....
Pennyroyal	....	....	....
Saffron	....	....	....
Sage	.45	1.35	4.00
Savory, Summer	.40	1.00	3.00
Sweet Basil	.40	1.00	3.00
Thyme	...	...	....

Anise-Hyssop. Pkt., 25c; ¼ oz., $1.25; ½ oz., $2.25; oz., $4.00.

KALE OR BORECOLE

Dwarf Green Curled	.20	.50	1.50
Tall Green Scotch	.30	.85	2.50
Siberian	.15	.45	1.35

KOHLRABI

Early White Vienna	.35	.75	2.25
Early Purple Vienna	.35	.75	2.25

LEEK

Broad Scotch or London Flag	.45	1.25	3.75
Large Musselburg	.45	1.25	3.75
Large Carentan	.45	1.25	3.75
Giant Early	.45	1.25	3.75

LETTUCE

Leaf Varieties

	Oz.	¼ lb.	Lb.
Black-Seeded Simpson, Vaughan's Selected Stock	$0.20	$0.50	$1.50
Grand Rapids Forcing, Vaughan's Extra Selected Stock	.25	.65	2.00
Grand Rapids (Resistant)	.30	.75	2.25
Early Curled Simpson	.20	.50	1.50

Cabbage and Head Varieties

May King. Very early	.25	.65	1.75
Big Boston, Vaughan's Selected Stock	.25	.65	1.75
California Cream Butter	.25	.65	2.00
Cosberg, sure header	.35	.85	2.50
Iceberg	.30	.75	2.25
Imp. Hanson. Very large firm heads	.25	.65	1.75
Hansonette	.30	.75	2.25
Bibb	.35	.85	2.50
New York No. 12	.35	.85	2.50
New York No. 515 (Heat resisting)	.35	.85	2.50
New York (Imperial 847)	.35	.85	2.50
New York (Imperial 44)	.35	.85	2.50
Prizehead	.20	.50	1.50
Unrivalled	.25	.65	1.75
Paris White Cos	.25	.65	1.75
Express Cos	.25	.65	1.75
Trianon Cos	.25	.65	1.75

MUSKMELON

Milwaukee Market Hand Cut, Select Melons	Crop Failure		
Vaughan's Improved Milwaukee	Crop Failure		
Extra Early Osage (Vaughan's Selected)	.25	.65	1.75
Osage Select	.25	.65	1.75
Hearts of Gold or Improved Hoodoo	.25	.65	2.00
Rocky Ford	.25	.60	1.75
Emerald Gem. One of the sweetest	.25	.60	1.75
Tip Top. A very fine market melon	.25	.60	1.75
Extra Early Hackensack. Best strain	.25	.60	1.75
Banana	.25	.65	1.75
Honey Dew	.25	.65	2.00
Mango Melon or Vegetable Orange (Vine Peach)	...	...	....
Pollock-10-25	.25	.65	1.75
Bender's Surprise	.25	.65	1.75
Honey Rock	.25	.65	2.00
Hale's Best	.25	.65	1.90
Wisconsin Pride	.25	.75	2.25
Cranshaw	.30	.75	2.25
Hardshell	.25	.75	2.25

MARTYNIA

—For Pickles ..... Crop Failure

The young seed pods make fancy pickles.

WATERMELON

Citron	.15	.45	1.35
Florida Favorite	.15	.45	1.25
Florida Giant	.25	.70	2.00
Halbert Honey	.15	.45	1.25
Rattlesnake	.15	.45	1.25
Harris Earliest	.15	.45	1.25
Kleckley's Sweet	.15	.45	1.25
Sweetheart	.15	.45	1.25
Klondyke, Striped	.15	.50	1.60
Winter	.15	.45	1.25
Tom Watson	.15	.45	1.25
Cole's Early	.15	.40	1.25
Irish Grey	.15	.45	1.25
Ovid	.15	.45	1.25
Stone Mountain	.15	.45	1.25
Pride of Muscatine (Resistant, Kleckley No. 6)	.15	.45	1.35
Dixie Queen	.25	.65	1.75
Cuban Queen	.15	.45	1.35
Stone Mountain (Resistant)	.15	.45	1.35
Red Russian	.25	.60	1.50

MUSTARD

	Oz.	¼ lb.	Lb.
White London	$0.15	$0.35	$0.85
Giant Southern Curled	.15	.35	0.85
Chinese Smooth Leaved	.15	.35	0.85
Fordhook Fancy	.15	.35	0.85
Florida Broad Leaved	.15	.35	0.85
Tendergreen	.15	.35	0.85

MUSHROOM SPAWN

Lambert's New Spore Culture Spawn. Made by an entirely new process. More vigorous and more productive than tissue spawn. Produces mushrooms of greater uniformity and truer to type.

No. 9. White (Alaska) Mammoth Strain.
(Bricks weigh approximately 1 lb.)

1 Brick	5 Bricks	10 Bricks
40c	$1.90	$3.50

Sterilized Bottle Spawn, in cartons. One carton will spawn 40 square feet. 90c per carton. $9.00 per doz.
Write for circular.

OKRA

Dwarf Long Pod, White Velvet, Tall or Perkins' Mammoth.	Oz.	¼ lb.	Lb.
Prices of all of the above	$0.10	$0.35	$0.90

ONION

	¼ lb.	Lb.	5 lbs. per lb.
Large Red Wethersfield	$1.15	$3.25	$3.10
Southport Red Globe	1.15	3.25	3.10
Southport Yellow Globe, Eastern-grown	1.15	3.25	3.10
Ideal Southport White Globe	1.50	4.50	4.35
Riverside	Oz., 60c	1.75	5.00	4.85
Ohio Yellow Globe	1.15	3.25	3.10
Bermuda Crystal White Wax	1.00	3.00	2.85
White Portugal	1.50	4.50	4.35
Yellow Globe Danvers	1.15	3.25	3.10
Golden Globe	1.15	3.25	3.10
Vaughan's Special Yellow Globe (Early Mountain Danvers)	1.15	3.25	3.10
Ebenezer Yellow	1.15	3.25	3.10
White Ebenezer	1.25	3.50	3.35
Yellow Globe Brigham	1.15	3.25	3.10
Valencia (Sweet Spanish)	1.75	5.00	4.85

PARSLEY

	Oz.	¼ lb.	Lb.
Vaughan's Champion Moss Curled	$0.15	$0.40	$1.00
Double Curled	.15	.40	1.00
Plain	.15	.40	1.00
Hamburg (Standard) (Rooted)	.15	.40	1.00
Vaughan's XXX	.15	.40	1.00

PARSNIP

Long Smooth, Hollow Crown	.15	.35	1.00
Improved Guernsey	.15	.35	1.00
Ideal (All-America)	.15	.35	1.00
White Queen	.15	.35	1.00

PEAS

	1 to 5 lbs. per lb.	10 lbs.	100 lbs.
Alaska (Resistant)	$0.25	$1.70	$15.00
Alderman	.30	1.90	17.00
American Wonder	.30	1.90	17.00
Dwarf Defiance	.30	2.00	18.00
Dwarf Gray Sugar	.30	2.00	18.00
Dwarf Telephone or Daisy (extra choice)	.30	2.00	18.00
Early Gilbo (Resistant)	.30	2.00	18.00
Extra Early Prem. Gem or Little Gem	.30	2.00	18.00
Everbearing	.30	2.00	18.00
Improved Gradus or World's Record	.30	2.00	18.00
Laxtonian	.30	2.00	18.00
Laxton's Progress	.30	2.00	18.00

PEAS—Continued

	1 to 5 lbs. per lb.	10 lbs.	100 lbs.
Little Marvel	$0.30	$2.00	$18.00
Nott's Excelsior. One of the best earlies	.30	1.90	17.00
Improved Stratagem	.30	2.00	18.00
Sutton's Excelsior	.30	1.90	17.00
Telephone. Vaughan's Improved	.30	1.90	17.00
Thomas Laxton	.30	1.90	17.00
Century of Progress	.30	2.00	18.00
Giant Stride (Wilt-resistant)	.30	2.00	18.00

PEPPER

	½ oz.	Oz.	¼ lb.
Vaughan's Magnum Dulce. Largest	$0.35	$0.65	$1.65
Vaughan's Sweet Mountain	.35	.65	1.65
Bullnose (Hot)	.30	.50	1.50
King of the North	.35	.65	1.75
Large Bell (Sweet)	.30	.50	1.50
Cayenne, Long red	.30	.50	1.50
Chinese Giant	.40	.70	1.85
Crimson Giant	.40	.70	1.85
Red Chili	.35	.60	1.60
Ruby King	.40	.65	1.60
Perfection Pimiento	.45	.75	2.00
Sunnybrook, Tomato Shaped	.45	.75	2.00
Tabasco	.45	.75	2.00
Hungarian Hot	.40	.65	1.75
Hungarian Sweet	.40	.65	1.75
Harris Giant	.40	.65	1.75
Worldbeater	.40	.65	1.75
California Wonder	.40	.75	2.25
Early California Wonder	.40	.75	2.25
Oshkosh	.40	.65	1.85
Windsor "A"	.40	.65	1.85
Oak View Wonder	...	...	....

PUMPKIN

	Oz.	¼ lb.	Lb.
Winter Queen or Winter Luxury	$0.25	$0.65	$1.50
Vaughan's Mammoth Prize	.25	.75	1.95
Colonial Pie	.15	.45	1.25
Kentucky Field	.15	.35	1.00
Large Cheese	.15	.35	1.00
Large Connecticut Field or Big Tom	.15	.45	1.25
Cushaw, White	.15	.45	1.25
Cushaw, Striped	.15	.45	1.25
Cushaw, Golden	.15	.45	1.25
Vaughan's Small Sugar Pie	.15	.45	1.25

RADISH

	¼ lb.	Lb.	10 lbs. per lb.
Cincinnati Market. Long scarlet	$0.35	$0.90	$0.80
Crimson Giant Forcing	.35	.90	.80
Improved Early Scarlet Globe, Vaughan's Select Forcing (Short top)	.35	1.00	.95
Early Scarlet Globe (Medium top)	.35	.90	.80
Early Deep Scarlet Turnip	.35	.90	.80
Early Scarlet Globe. White tip	.35	.90	.80
Saxa. Earliest round red	.35	.90	.80
Early Long Scarlet Short Top	.35	.90	.80
Improved French Breakfast	.35	.90	.80
Vaughan's Giant Butter Radish	.35	.90	.80
Brightest Long Scarlet (Cardinal)	.35	.90	.80
White Strassburg	.35	.90	80
Long White Vienna	.35	.90	.80
Scarlet Turnip, White Tip (Sparkler)	.30	.85	.75
Scarlet Turnip, White Tip (American)	.30	.85	.75
White Icicle. The earliest long white	.35	.90	.80

Winter Varieties

Chinese Mammoth or Celestial	.35	1.00	.90
California Mammoth White	.35	1.00	....
Long Black Spanish	.35	1.00	....
Rose or Scarlet China Winter	.35	1.00	....
Round Black Spanish	.35	1.00	....

These Prices Subject to Change Without Notice.

RHUBARB

	Oz.	¼ lb.	Lb.
Vaughan's Mammoth	$0.25	$0.65	$2.00
Victoria	.25	.65	2.00

RHUBARB ROOTS	Ea.	10	100	1000
Canadian Red—divisions	$0.75	$6.50	$55.00	.....
McDonald Red—divisions	.55	5.00	45.00	.....
Victoria, ¾-1 in.	.20	1.00	5.50	$50.00
1-1½ in.	.35	1.50	7.50	.....
1½-2 in.	.50	2.50	15.00	.....

HORSERADISH

Per 100, $1.75; per 1,000, $15.00; 5,000, per 1,000, $14.00.

SALSIFY

	Oz.	¼ lb.	Lb.
Mammoth Sandwich Island	$0.45	$1.25	$3.75

SORREL

French	.45	1.35	4.00

SPINACH

	Lb.	10 lbs. per lb.	100 lbs. per lb.
Bloomsdale Dark Green	$0.75	$0.65	$0.60
New Long Standing Bloomsdale	.75	.65	.60
Bloomsdale or Norfolk. Savoy-leaved	.75	.65	.60
Prickly Seeded Hollandia	.75	.65	.60
Princess Juliana. Long standing	.75	.65	.60
Old Dominion	.75	.65	.60
Virginia, Blight-Resistant	.75	.65	.60
Tetragonia or New Zealand, Oz. 30c. ¼ lb., 75c.	2.00	...	...
Antvorskov (King of Denmark)	.75	.70	.65
Viking	.75	.65	.60

SWISS CHARD

	Oz.	¼ lb.	Lb.
Lucullus	$0.15	$0.40	$1.00
Dark Smooth. Broad white rib	.15	.40	1.00
Giant Fordhook	.15	.40	1.00

SQUASH

Banana	.25	.65	1.75
Blue Hubbard	.25	.65	1.75
Boston Marrow	.15	.35	1.00
Buttercup	.25	.75	2.25
Chicago Warted Hubbard	.25	.65	1.75
Cocozelle	.25	.65	1.75
Delicious	.25	.65	1.75
Improved Table Queen	.25	.65	1.65
Early White Bush	.25	.60	1.65
Vaughan's Giant Summer Crookneck, Yellow	.20	.50	1.40
Golden Hubbard	.25	.65	1.75
Original Hubbard. Extra select	.25	.65	1.75
Prolific Straightneck	.20	.65	1.75
Kitchenette Small Hubbard	...	.70	2.00
Mammoth White Bush. Extra select	.25	.65	1.75
Mammoth Chili	.25	.70	2.00
Sweet Potato	.25	.65	1.75
Vegetable Marrow	.25	.65	1.75
Yellow Summer Crookneck	.20	.50	1.40
Zucca de Pergola. Italian sort	.25	.70	2.00
Italian Marrow Zucchini. Black	.25	.65	1.65
Italian Marrow Zucchini. Gray	.25	.65	1.65

TOMATO

Beauty. Midseason pink	.65	2.00	6.00
Bison	.75	2.20	6.50
Bonny Best. Second red, called by market gardeners "yellow"	.65	1.65	5.00
Bonny Best, Certified	.75	1.85	5.50
Bounty. First early, red	.75	2.20	6.50
Chalk's Early Jewel. An early red	.65	1.65	5.00
Chalk's Jewel, Certified	.65	1.85	5.50

TOMATO—Continued

	Oz.	¼ lb.	Lb.
Crimson Cushion or Beefsteak. Medium late, red, very large	$0.85	$2.50	$7.50
Dwarf Champion. Medium late pink	.75	2.25	6.50
Dwarf Stone. Mid-season red	.80	2.35	7.00
Earliana. Earliest red	.75	2.35	7.00
Early Detroit. Early, pink	.75	1.85	5.50
Early Baltimore	.75	1.85	5.25
Early Baltimore, Certified	.75	1.85	5.25
Firesteel. A good dry weather type	.85	2.25	6.50
Golden Queen. Mid-season yellow	.85	2.25	6.75
Greater Baltimore. Medium early red	.65	1.85	5.25
Greater Baltimore (Indiana strain), certified	.75	1.85	5.25
Ground Cherry	.65	2.00	6.00
John Baer. A first early red	.65	1.65	5.00
John Baer, Certified	.75	1.85	5.50
Jubilee. Mid-season, yellow globe	.85	2.25	6.75
June Pink. Second-early pink	.65	2.00	5.75
Livingston's Globe. Mid-season pink	.85	2.25	6.75
Oxheart. Pink	1.15	3.25	9.50
Ponderosa. One of largest mid-season pink.	.85	2.50	7.50
Red Cherry	.65	2.00	6.00
Red Currant	.65	2.00	6.00
Red Pear	.65	2.00	6.00
Red Peach	.65	2.00	6.00
Red Plum	.65	2.00	6.00
Rutgers. Red	.50	1.45	3.95
Rutgers, Certified	.65	1.65	4.60
Stokesdale	.60	1.50	4.35
Stokesdale, Certified	.65	1.65	4.90
Valiant. An early red	.75	1.85	5.50
Yellow Pear	.65	2.00	6.00
Yellow Peach	.65	2.00	6.00
Yellow Plum	.65	2.00	6.00
Stone, Improved. Medium early red	.45	1.25	3.75
Italian Canner	.65	2.00	6.00

Resistant Varieties

Break-O'Day. Red	.65	1.65	5.00
Break O'Day. Certified	.75	1.85	5.50
Grothen's Globe. An improved Marglobe	.75	1.90	5.65
Marglobe. Red	.45	1.35	3.85
Marglobe, Certified	.65	1.50	4.50
Pritchard. Red	.45	1.35	4.00
Pritchard, Certified	.65	1.65	5.00

Forcing Sorts

	Pkt.	Oz.	Lb.
Bonny Best. Red	$0.25	$2.50	....
Livingston's Globe. Pink	.25	3.50	....
Grand Rapids. Red	.25	2.50	....
*Michigan State. Red	.25	2.50	....
*Sureset. Pink	.25	2.50	....
*Globelle. Pink	.25	2.50	....
Waltham Forcing	.50	3.00	....

*Resistant.

TURNIP

	Lb.	5 lbs. per lb.	25 lbs. per lb.
Early White Milan. Earliest of all	$0.75	$0.65	$0.60
Early Extra Purple Top Milan	.75	.65	.60
Purple Top Strap Leaf	.55	.50	.45
White Egg	.65	.55	.50
Purple Top White Globe	.55	.50	.45
Large Yellow or Amber Globe	.60	.55	.50
Golden Ball or Orange Jelly	.60	.55	.50
Cowhorn or Long White	.60	.55	.50
Early Snowball	.60	.55	.50
Seven Top	.50	.45	.40
Shogoin or Foliage Turnip	.65	.55	.50

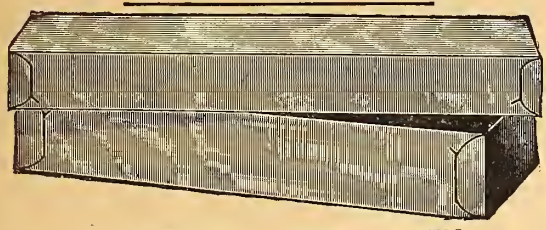
RUTABAGA OR SWEDE

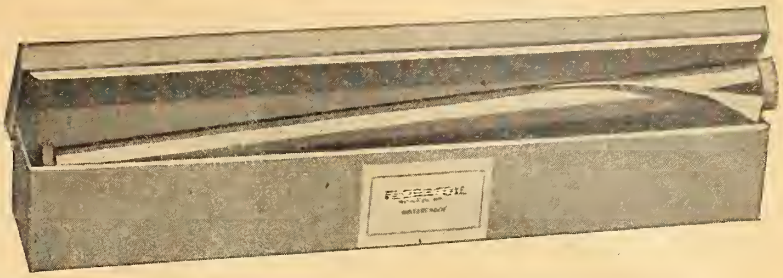
Vaughan's American Purple Top Improved	.60	.50	.45
Canadian Neckless	.60	.50	.45
Laurentian	.60	.50	.45

These Prices Subject to Change Without Notice.

Supplies for the Florist Shop

CUT FLOWER BOXES





CUT FLOWER BOXES—GREEN

Full Telescope patent coated.

24x5x3½.....$7.90 per 100
30x5x3½..... 8.20 per 100
28x8x5.....12.95 per 100

GREEN CORSAGE BOXES

9x5x4.....$6.50 per 100 | 12x5x4.....$6.85 per 100

Owing to the uncertainty of the manufacturers making deliveries of our regular grade of green cut flower boxes and gray design boxes, we are not offering these in this book. We may be able to furnish some of these boxes and we refer you to our 1943 catalog for sizes. Our price on these boxes would be the same as 1943 unless the manufacturers are permitted to advance our cost.

FLORAL DESIGN BOX—MIST GRAY

Full Telescope. 36x14x8. Price per bundle of 25.....$7.45

Paper—Tissue, Wax

Prices on Paper Subject to Market Changes.

Pure White Glazed Florist Tissue. The best grade white glazed 11 lb. basis. 24x36 inches, F. O. B. Chicago, ream (480 sheets), $1.75; 10 reams (4,800 sheets), $14.75; F. O. B. New York, ream (480 sheets), $2.10; 10 reams (4,800 sheets). $15.50.

White Wax. Medium, 24x36 inches; F. O. B. Chicago, 400 sheets, $2.50; F. O. B. New York, 480 sheets, $2.90.

Green Wax. Beautiful shade light green, 24x36 inches, F. O. B. Chicago, 400 sheets, $2.50; F. O. B. New York, 480 sheets, $2.90.

Kraft Wrapping in rolls, all weights and sizes. Price, per lb., 9½c.

PAPER CUTTERS. 24,30 and 36-in. Price, complete, $4.25.

Floraphane. ¾ inch rolls, colors green, white. Price per roll, 35c; doz. rolls, $4.00; 1½ inch roll, 70c; doz., $8.00.

Waterproof Crepe Paper. In green, pink, lavender, yellow, purple; per roll, 30c.

Scotch Cellulose Tape Transparent ½ in. wide, price per roll $1.08; 12 rolls at 98c per roll.

SCOTCH CELLULOSE TAPE DISPENSER. Desk size, each, 75c; heavy duty, each, $1.25; weight, 8 lbs.

Florist-Foil. Colored aluminum foil used for pot covers, etc. Rolls, 20 inches wide. Colors, violet, silver, gold, green, red, purple, fuchsia, pastel green, pastel blue, black and blue. Per 50-ft. roll, $1.45; 10 rolls for $13.00.

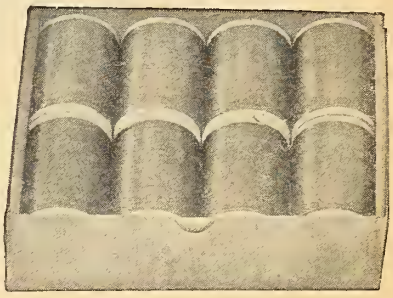
Polka Dot Embossed Florist Foil. In all colors. Rolls 20 inches wide, 50 feet long, each $1.45, 10 rolls $13.50.

NEW SATIN SHEEN FLOWER POT WRAP

The new economical and attractive covering for pot plants. Can be had in green, gold, red, fuchsia, orchid, purple, blue and silver shades. Put up in rolls 20 inches wide, 50 ft. long. Price per roll, $1.10; 5 rolls for $5.00; 10 rolls for $9.50.

TWINE "The Queen" White Cotton Twine. 3 or 4-ply. Put up in 5-lb. sacks, 30 balls to a sack. Price, $3.75.

Write for prices on larger quantities.



Florists' Thread, Green. Best brand. Similar to Silkaline, 8 spools to a box. Per lb. box, $1.75.

Green Twine. Used for wrapping small packages—also for spray and design work. Put up in balls. 1-lb. box, $1.25. 5 boxes at $1.20 per box.

Green Twine. 2 lbs., per cone, $2.20; 3 cones for $6.30.

UNWIRED PICKS.

4-inch Green.....Box of 4,000 $2.00
6-inch Green.....Box of 3,000 2.00

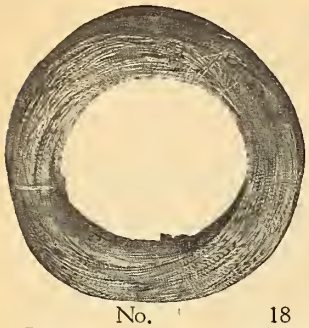
CARDS FOR ALL OCCASIONS

Sympathy, get-well, birthday, baby, congratulations, and all holidays. Your own selection.

CARDS WITHOUT CABINET.

250 assorted at.....$1.25 | 1000 assorted at.....$3.50
500 " ".....2.00 | 2000 " ".....6.75

WHITE ENVELOPES, PLAIN. Size 2½x4¼", packed 250 to a box. 250 for 50c, 500 for 85c, 1,000 for $1.50.



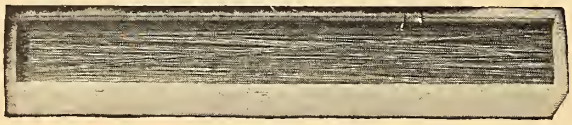
WIRE. (Prices subject to change). Florist Wire on 12-lb. coils.

No. 18	$1.30
No. 20	1.45
No. 22	1.65
No. 24	1.80
No. 26	1.95
No. 28	2.35

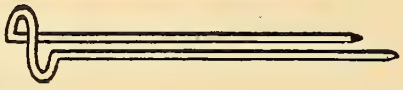
FLORISTS' CUT WIRE. Clean, extra soft white wire, cut in 12 or 18-inch lengths, 12 lbs. to box.

No.	18	20	21	22	24	26
Price	$1.40	$1.60	$1.75	$1.85	$2.50	$2.95

GALVANIZED WIRE COILS. Used for stringing benches in Carnation and Rose houses. No. 16, 100-lb. coil, $8.95. No. 18, 100-lb. coil, $9.95.



FERN PIN. New Philly. The bend holds the leaves firmly; easier to handle. Per box, $2.45.



PINS, GREENING. Adapted for pinning on galax leaves, dagger or fancy ferns, sheet moss, etc., $2.25 per box of about 10,000.

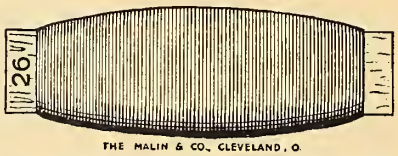
BULL DOG CLIPS. The clip with the grip. Per box of 1,000 clips, 60c; 10 boxes for $5.50

Prices Subject to Change Without Notice.

WIRED PICKS.

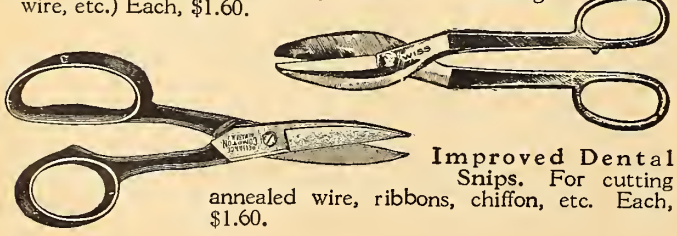
2½-inch Plain	Box of 10,000 $3.50
3 -inch Green	Box of 8,000 4.75
4 -in. Green. Box of 4,500	$4.25
6 -in. Green. Box of 3,000	3.75

MALINS EXTRA SOFT FLORAL BINDING WIRE.



These sticks fit the hand. Handy for tying sprays, bunting, wreaths, etc. Put up in boxes of 20-¼ lb. sticks, total weight per box 5 lbs. #22, $1.75 per box; #24, $2.15 per box; #26, $2.35 per box; #28, $2.95 per box; #32, $3.50 per box and #36, $4.95 per box.

FLORISTS' SNIPS (Especially suitable for cutting wire, etc.) Each, $1.60.



Improved Dental Snips. For cutting annealed wire, ribbons, chiffon, etc. Each, $1.60.

Ribbons and Chiffons

We offer only the best grades especially adapted for Florists' use, but can also supply other grades not listed.

Pattern 1900, No. 5 Radiance Ribbon. Used for tying mats and crepe paper around pots, also used for making bows for basket and wreath work. Put up in 50-yard spools. Comes in all colors. Per spool, $1.25. Box of 20 spools at $1.20 spool.

Pot Tie Ribbon. A good grade of ribbon which can be used around pots, small corsages, etc. No. 5, 50 yard bolts in all popular shades. Price per 50 yard bolt, $1.15; 20 bolt lots at $1.10 per bolt.

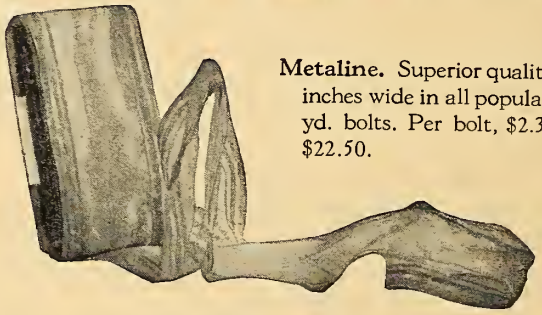
White Shower Ribbon. Suitable for plant decorations, bridal sprays, etc.; white and pink. No. 2, spool of 50 yards, $1.10; 10 spools for $10.00.

No. 1 Baby Ribbon. Any color. Spool of 50 yards, 85c; doz., $9.60

Ribbonzene Crinkle Baby Ribbon No. 1. For tying cards. All colors. 500-yard spool, $1.10; doz. spools, $12.00.

Corsage Pins. Pearl heads, finest made, assorted colors. Per gross, $1.50; 10 gross for $12.50.

Corsage Ties (Cord and Tassels). Per doz., 85c; per gross, $8.40.



Metaline. Superior quality, about 5½ inches wide in all popular shades, 40-yd. bolts. Per bolt, $2.35; 10 bolts, $22.50.

Letters, Figures and Clock Dials

CLOCK DIALS. Made of finest felt. Colors: Purple and White and White and Purple. Price, 4 inch, ea., 30c; doz., $3.00; 7 inch, ea., 50c; doz., $5.40.

GOLD SCRIPT WORDS. Gold finish. In the following inscriptions: Mother, Father, Brother, Sister, Asleep, etc.; ten words in a package. Price, per package of 10 words, 30c; per 100 words, $2.25; per 1,000 words, $20.00.

GILT RIBBON LETTERS. Gummed. 25 letters in a package in letters A to Z, figures 1 to 9. 1¼ in. Per 100, 40c; per 1,000, $2.75.

TERRA COTTA GRASS GROWING HEADS

Heads should be soaked in water for 24 hours; also soak seed in separate dish over night. Fill the head with water and spread the seed very thickly all over head. Keep head filled with water at all times. In warm temperature seed may appear to be dry, if so, spray lightly with water using care not to wash seed off head. Keep in a saucer to protect the furniture.

We can supply "Sunny Jim," with seed, per doz., $3.00, packed 24 to a carton at $5.80 per carton. Retail at 40c each.

We can also supply the larger heads. "Buddy" with seed at doz., $3.85; per carton of 24, $7.20. Retail at 50c.

Wreath and Bouquet Materials

MOSS FILLED WREATHS AND DESIGNS

Machine made Sphagnum Moss filled designs always ready to use. NET Prices.

Spray Bars

3½ ins. wide, 2 ins. thick

Length	Each	Length	Each
8 ins...	$0.15	20 ins...	$0.27
12 ins...	.17	22 ins...	.30
14 ins...	.19	24 ins...	.32
16 ins...	.21	30 ins...	.36
18 ins...	.25		

Spray Bars

4½ ins. wide, 2½ ins. thick

Length	Each	Length	Each
18 ins...	$0.36	36 ins...	$0.62
24 ins...	.44	42 ins...	.69
30 ins...	.53	48 ins...	.75

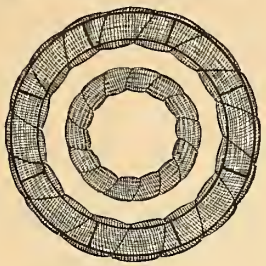
Spray Bars

6 ins. wide, 2½ ins. thick

Length	Each	Length	Each
24 ins...	$0 53	42 ins...	$0.80
30 ins...	.59	48 ins...	1.05
36 ins...	.67		

Crosses

Size	Each	Size	Each
18-in....	$0.46	30-in....	$0.85
20-in....	.51	33-in....	.96
22-in....	.57	36-in....	1.40
24-in....	.64	42-in....	2.00
27-in....	.72	48-in....	2.35



Wreaths

Size	Each	Size	Each
10-in....	$0.23	24-in....	$0.60
12-in....	.26	27-in....	.75
14-in....	.31	30-in....	1.05
16-in....	.36	33-in....	...
18-in....	.42	36-in....	...
20-in....	.48	42-in....	...
22-in....	.54	48-in....	...

We have a limited supply of wire designs, wire baskets, easels and wreaths, and will fill orders while the supply lasts.

LYCOPODIUM. Prepared. 10 lbs. to carton, $3.95; 25-lb. carton, $8.75.

STATICE NATURAL WHITE. Used extensively in Wreaths and Baskets. Natural per lb., $1.10; 10 lbs. for $9.00.

Write for prices on larger quantities.

TIN FOIL. 5, 6 or 7 inch, 1 lb., 25c; 25 lbs., $5. 75.

Violetor Green Foil. Per lb., 45c; 10 lbs., $4.00.

STATICE

STAR FLOWERS (DIAMOND FLOWERS). Small natural dried flowers, dyed in a variety of colors, suitable for all kinds of floral and decorating work. Can be had in the following colors, red, green, pink, yellow, dark blue, light blue, purple, lavender, orange, cerise, brown, dubonnet, orchid, salmon, autumn color and natural white. Packed 1 oz. to bunch, 16 bunches or 1 lb. to carton. Per carton, $3.25.

STAR FLOWERS

No. 610 WAX PAPER ROSES. Natural imitation, on short wire stem; colors, red, pink, white, yellow. Packed 200 to box. Per box, $8.00.

No. 9C WAXED CARNATIONS. Natural imitation, on wire stem; colors, red, pink and white. Packed 200 to box. Per box $8.00.

GYPSOPHILA (Baby's Breath). Pure white double Colorado grown, large fluffy bunches. No florist should be without this handy fill-in for floral work or baskets. Price, per bunch, $1.60; 10 bunches for $15.00.

COLORED GYPSOPHILA. Rose-pink, orange, nile green, yellow, blue, and violet. Per bunch, $1.95; 5 bunches for $9.25.

OAK SPRAY

GYPSOPHILA

OAK BRANCHES, Prepared, Brown, Red and Green.

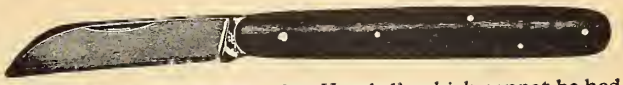
Prices	Short	Long
10 lbs.	$3.50	$3.25
25 lbs.	8.25	7.50

Specify color when ordering.

FLORISTS' KNIVES

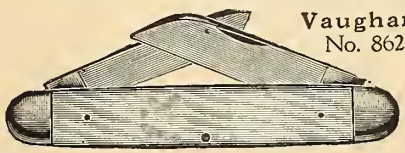
The Budding, Grafting, Pruning and Florists' Knives illustrated below are designed and made to meet the exacting requirements of nurserymen, orchardists, florists and gardeners who are extremely particular in the choice of their cutting equipment.

No. 5A	Each	3 for
Budding, No. 5A. Black handle; brass lined	$2.25	$6.50
Budding, Beech Wood Handle. Per doz., $4.50	.50	1.25

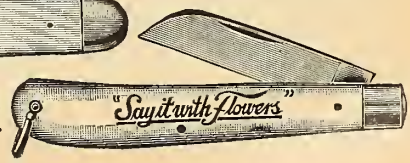


Vaughan's Florist (Patterned after Henckel's which cannot be had.)

	Each
Vaughan's Florist—3 for $4.25	$1.50
Putty Knife—No. 120, a very good tool; 3 for $1.25	Each, .50
Pruning, Stag handle	Each, 2.50
Schrades Heavy Perfect Pruning Knives No. 123EW, similar to Henckel No. 3C	Each, $2.50

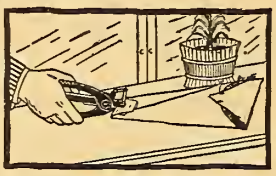


Vaughan's Budding and Prop., No. 86281, with Brass Caps, each, $1.50; doz., $16.20.



White Handle, No. 83023W, silver nickel shackle for chain attach. Each, $1.50; 3, $4.25.

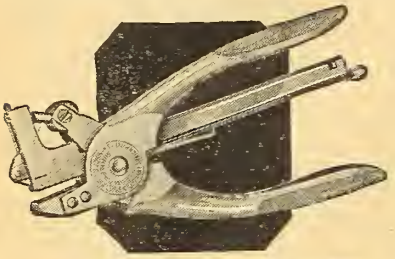
NEVA-CLOG STAPLING PLIERS



Florists Save Time and Make Money with Wide-Jaw Neva-Clog Stapling Pliers.

Florists' Model F100.

For wrapping plants and cut flowers, making up corsages, wreaths and light baskets, making paper flower pot covers, attaching delivery tags to plants and flowers, sealing seed and bulb envelopes and 101 other uses. Has ⅜-inch jaw and uses ¼-inch and 5/32-inch staples as listed elsewhere on this page. Price, each, $3.50.



STAPLES

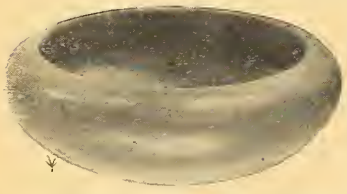
All Neva-Clog staples are sharpened at the points to make easy penetration of material. The forming is perfect and the cohering very strong to prevent strips breaking upon being handled at high speed by workman. Both lengths are 100 to a strip, 7/16-inch crown, 1000 to a box.

A—1000 ¼-inch legs. Per 1000, 35c

L—1000 5/32-inch legs. Per 1000, 35c

10,000 lots, per 1000, 30c
25,000 lots, per 1000, 27c
50,000 lots, per 1000, 25c

Bowls For Growing Bulbs



No. A. Pottery Bulb and Flower Bowl Assortment. This assortment consists of the following: 15—6-in. bowls; 15—7-in. bowls and 6—8-in. bowls. The assortment retails for about $15.00 and comes in assorted colors of yellow, blue, old rose and white. Price per complete assortment, $12.95.

F. L. Style Pottery Bowls, in Blue, Yellow, Old Rose and Green. 6-in. diam., doz., $3.50; 7-in. diam., doz., $4.80; 8½-in. diam., doz., $6.50.

Pearl Chips and Prepared Bulb Fibre

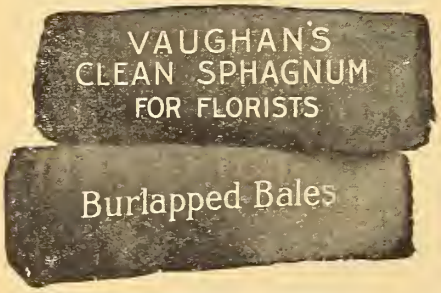
For growing Bulbs in Bowls and Pots.

Bulb Fibre. Prepared for growing Bulbs in bowls at 10 lbs., 85c; 25 lbs., $1.60; 100 lbs., $4.75.

Pearl Chips, White, for growing Bulbs in bowls at $2.75 per 100 lbs.

Pearl Chips, Colored, $3.00 per 100 lbs.
Write us for prices on larger quantities.
Place orders early to insure getting desired colors.

SPHAGNUM AND SHEET MOSS



SPHAGNUM MOSS. Bright, clean, new growth, free from brush or grass, is being worked out in Wisconsin district. We quote L. C. L. lots as follows:

Bales. (45x14x16 inches). **F. O. B. Wisconsin Points. For carloads, write us.**

Prices Subject to Change Without Notice.	F. O. B. Chicago	F. O. B. Woods
1 to 5 bales	Each, $2.50	
6 to 10 bales	" 2.45	Each, $2.25
11 to 24 bales	" 2.40	" 2.15

New York Prices 60c per bale higher. Cartage Free.

Plant Stakes and Supports

Wood Stakes, Green Painted
Medium weight pointed.
3 ft., per 100, $5.50; 4 ft., per 100, $8.50; 5 ft., per 100, $10.95.

Wood Stakes, Green Painted, Heavy Grade
4 ft., per 100, $10.95; 5 ft., per 100, $12.95; 6 ft., per 100, $15.95.

Bamboo Stakes, Plain and Green Painted.

	F. O. B. Chicago Per 100	Per 1000	Per Bale of 2000	F. O. B. New York Per 100	Per 1000
1½ feet	$1.00	$4.95	$ 9.90	$0.90	$4.95
2 feet	1.20	6.75	12.00	1.20	6.25
2½ feet	1.35	8.00	15.50	1.35	8.00
Natural. 6 ft.	2.50	18.50	.....	.....	16.50
3 feet	1.65	8.95	17.40	1.65	8.95
3½ feet	2.00	10.75	21.00	2.25	9.85
4 feet	2.25	11.75	22.50	2.45	11.50

Write for price in bale lots

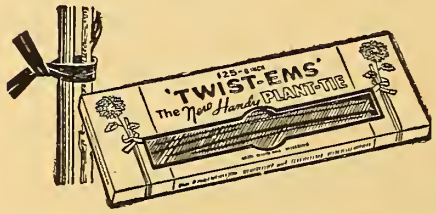
Heavy Tonkin Stakes, Natural Colors. Heavy weight bamboo. Entire stake same weight, does not taper. Ideal for roses, dahlias, young trees, etc. Just the thing for florists and nurserymen. Lasts a lifetime.

Length	Diameter	F.O.B. New York Per 100	F.O.B. Chicago Per 100
4 ft.	½ to ⅝ inch	$8.00	$8.25
4 ft.	⅝ to ¾ inch	8.50	8.75
5 ft.	⅝ to ¾ inch	9.50	9.00
6 ft.	⅝ to ¾ inch	10.50	10.00
8 ft.	⅝ to ¾ inch	12.50	12.00

Galvanized Wire Stakes Made of No. 8 Wire

	Per 100	Per 500	Per 1000
4 ft.	$2.75	$12.25	$22.00
5 ft.	3.50	15.50	25.75
6 ft.	4.20	16.75	29.95

We may be in position to furnish smaller sizes about March 1st.

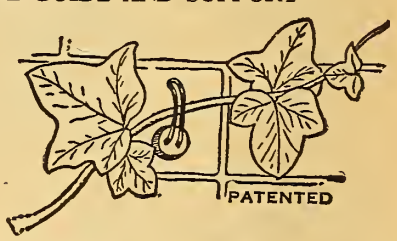


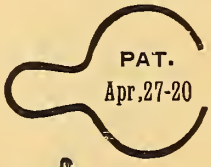
TWIST-EMS

New handy utility plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they cannot come unfastened. Tape protects stem against injury. For tomato plants and other vegetable crops. Made in 7" only. Price, per 1000, $1.25.

WAYWARD VINE GUIDE AND SUPPORT

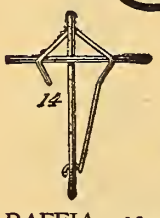
For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 25, including cement, 80c; 12 pkgs. for $7.80.





PLANT TIES Lighting Wire. Per box of 1,000, $2.00; 5 or more boxes, $1.95 per box. Shipping weight per box, 2 lbs.

CLIP, Blake's New Loop Lever. For roses, 'mums, etc., up-to-the-minute stake holders; hold stakes with firm grip. Loop clips allow you to remove and replace any stake any time. They never slip and are a great saving in time and money. Price $2.00 per 1,000. 5,000 for $9.50. Samples mailed free.



STAKE FASTENERS. Everlasting, packed 500 to a box, per box, $1.30; 10 boxes or more, $1.20 each.

RAFFIA. Natural, Best Grade, F. O. B. Chicago. Lb., 65c; 5-lb. lots, per lb., 60c; 10-lb. lots, per lb., 58c; 25-lb. lots, per lb., 55c; 100 lbs., per lb., 53c. Bale lots (about 225 lbs.), per 100 lbs., $52.00.

Dyed—Old gold, pink, purple, emerald green, dark red, bright red, black, navy blue, orange. Per lb., 95c; 5 lbs. at 90c; 10 lbs. at 85c; 25 lbs. at 80c. Samples on application.

GRAFTING WAX. Per ¼-lb. bar, 20c; ½-lb. bar, 35c; 1 lb., 55c.

Above prices subject to change without notice.

Greenhouse and Florists' Supplies

Prices quoted in this catalogue are subject to change without notice, owing to the unstable condition of the market This applies particularly to Fertilizers, Wire, Tinfoil, etc. For parcel post rates see order sheet.

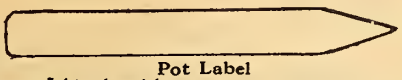
Labels for Plants, Pots and Gardens

ZINC TREE LABELS. For an enduring label these are unsurpassed. They last for many years. Writing is done with an ordinary lead pencil; gets plainer with age. They are copper wired and measure 3¾ x ¾ inch. Price per 100, $1.50.

COPPER LABELS. Wired, indestructible. Per 100, $1.50; larger size, per 100, $2.15.

EVERLASTING ZOREX LABEL. A permanent label; holds lead pencil marks permanently in all weather, one piece, 6 inches over all. Price per 100, 60c; 500 for $2.25.

LABELS (Pot). We carry the best quality of Wooden Labels made. They are smooth, strong and neat, ⅝ inch wide.



Pot Label

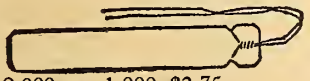
When ordering, specify pot labels or garden stakes, painted or plain.

	Packed to Carton	Plain, Per 1000	Painted, Per 1000
4-inch	1000	$1.90	$2.35
5-inch	1000	2.25	2.60
6-inch	1000	2.40	3.10
8-inch	500	3.75	4.50
10-inch	500	4.75	5.60

GARDEN STAKES

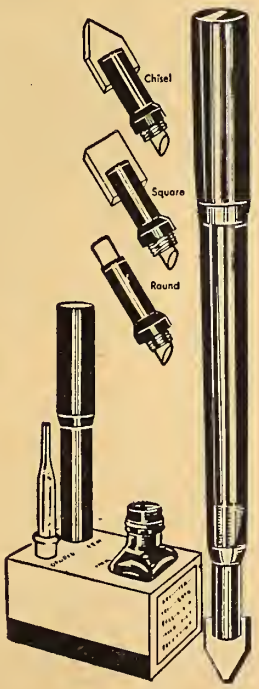
8-inch— ⅞ inch wide	250	6.25	7.00
10-inch— ⅞ inch wide	250	7.25	8.00
12-inch—1⅛ inches wide	1000	9.00	11.00

LABELS (Tree). Wooden, 3½ in., wired. Per 1000, plain, $2.25; 5,000 to 9,000, per 1,000, $2.15; painted, per 1,000, $2.85; 5,000 to 9,000, per 1,000, $2.75.



WEATHER-PROOF PENCILS. For marking labels. Will not rub off or fade. Each, 10c; doz., 85c.

SPEEDRY BRUSH PEN. This is the new amazing brush pen. Will write or mark on porous surfaces. It can be used on wood, leather, textiles, cardboard, paper, glass, tin and cellophane. The ink dries instantly and does not smear. When ordering specify type of nib; chisel, square or round. Price each with bottle of instant drying ink $1.95. Per dozen, $16.00. Extra nobs at 35c each; dozen, $2.80. Speedry Ink price, per 4 oz. bottle, 80c; 16 oz. bottle, $2.60; 32 oz. bottle, $4.50.



No. 31 SIMPLEX. Green Weather-Proof Plant Labels. Price includes copper wires for attaching, steel stylus for marking. No. 31, size, 3x½ inch, per doz., 40c; per 100, $2.50.

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ½ inch. Each, $1.75.

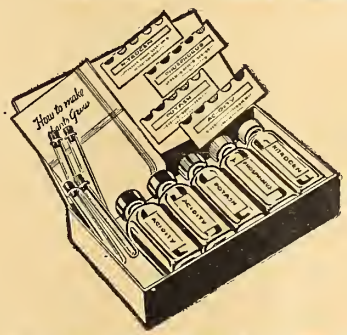
The Sudbury Horticultural Soil Test Kit, $9.75

The Sudbury Horticultural Soil Test Kit makes instantly available the essential information you require for gardening success. With it you can make quick practical tests which will show the acidity of your soil and any possible deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to the requirements of your plants and grasses. Sudbury Soil Test Kits are used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. The Sudbury Horticultural Kit, complete with instructions and table of plant needs, $9.75.

The Sudbury Improved Professional Soil Test Kit—Contains enough material for 200 individual tests. Price, complete with instructions, $22.50.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., **75c**; 6 oz., **$1.50.**

The Sudbury Home Gardener's Soil Test Kit, $1.50

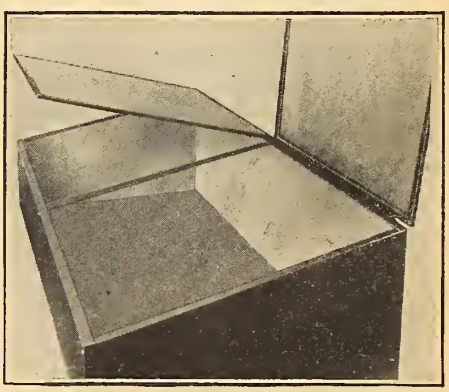


This simple, practical easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenskeepers throughout the country. The Home Gardener's Kit tests for nitrogen, phosphorus, potash and acidity, giving complete information for the intelligent adjustment of your soil to the requirements of your plants and grasses. No technical skill required. Results of tests are apparent immediately.

***The Sudbury Home Gardener's Soil Kit.** Complete with instructions and table of plant needs, $1.50; six for $8.00.

New Club Model Kit. An inexpensive kit cased in attractive imitation leather; makes a wonderful gift, each, $3.85; 3 for $9.48.

Steel Cold Frame—Green Thumb Seed Starter



Made of 22 gauge rolled steel, painted green, two coats, size 3x6 feet, 18 inches, high at back, 12 inches in front. Insulated with ½-inch fibreglass on inside walls to within 3 inches of bottom. Rigid metal sash glazed with Vimlite, unbreakable, rust resistant and waterproof plastic which allows ultraviolet and infra-red says of sunshine to penetrate to plants. Each frame knocked down for shipment in carton, approximate weight, 50 lbs. Complete instructions for assembling in 10 minutes. F.O.B. N. Y. City, each, $14.50. F.O.B. Chicago, Ill., each, $15.25, 3 for $42.00.

Paper Pots and Plant Bands

Prices on pots subject to change without notice

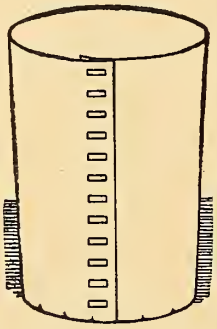
IMPROVED NEPONSET PAPER FLOWER POTS. The famous pot with a new use. A waterproof pot that can be used for growing plants, especially in the greenhouse where they have to stand continual watering from six to eight weeks. The ideal pot for transplanting and shipping. Unbreakable and much lighter in weight.

Size, inch	Per 100	Per 1000 F.O.B. New York	Per 1000, F.O.B. Chicago	Original crates hold	Gross wt. of 1000 pots about
2	$0.60	$ 4.30	$ 4.45	1,000	10 lbs.
2¼	.65	4.35	4.55	1,000	12 lbs.
2½	.75	4.50	4.75	1,000	16 lbs.
3	1.10	5.45	5.70	1,000	24 lbs.
3½	1.20	7.00	7.20	1,000	34 lbs.
4	1.30	8.45	8.65	500	46 lbs.
5	1.95	11.15	11.40	500	75 lbs.
6	2.40	14.25	14.65	500	102 lbs.

NEPONSET GREEN POTS—For Growing. This new development makes it possible to take advantage of the economy, ease and convenience of paper pots for the full growing period of young plants without any damaging or retarding of root growth. In fact, the special waterproofing treatment of these pots seems to encourage healthy growth.

Size	Per Case Quan.	Per Carton Shipping Wt.	Price per Carton
2 inch	1,000	14 lbs.	$ 7.20
2¼ inch	1,000	16 lbs.	7.30
2½ inch	1,000	22 lbs.	8.00
3 inch	1,000	28 lbs.	9.20
4 inch	500	26 lbs.	7.00
5 inch	500	44 lbs.	9.90
6 inch	500	62 lbs.	12.00

CLOVERSET PLANT POTS. An improved pot or container made of tough asphalt-coated laminated waterproof fibre stock, closely riveted so that it will stand much handling; made in four sizes, packed 100 to a carton.



Cloverset Plant Pots

Standard Heavy Weight Cloverset Pots

No.	Height	Diam. Top	Diam. Bottom	Weight per 100	Per 100	Per 1,000
0	5 in.	5 in.	4½ in.	35 lbs.	$2.50	$22.50
1	6½ in.	6 in.	5½ in.	52 lbs.	4.00	35.00
2	9½ in.	7 in.	6½ in.	77 lbs.	4.50	40.00
3	9 in.	8 in.	7½ in.	88 lbs.	5.00	45.00

All orders for Cloverset Pots shipped from Kansas City.

BIRD GROWTH-STIMULATING PLANT BANDS

A band for every purpose. Units of 1,000 only.

Vita-BanD A. Designed for all-around use, especially for long growing periods. Ideal for carnations . . . Treated with nutrients to assure vigorous, well-balanced growth. A heavy and sturdy plant band.

Per	1¾x1¾x2½	2x2x2½	2x2x3	2½x2½x3	3x3x3	3x3x4
1,000	$3.30	$3.65	$3.90	$4.20	$4.70	$5.80

GROWTEX. Also designed for growing periods up to 8 or 10 weeks. Has the same quick set-up and fast handling features **without** nutrient treatment. A low-priced band giving satisfactory results for the shorter growing periods. May require an occasional liquid feeding.

Per	1¾x1¾x2½	2x2x2½	2x2x3	2½x2½x3	3x3x3	3x3x4
1,000	$2.35	$2.60	$2.90	$3.10	$3.45	$4.00

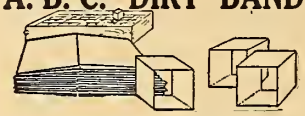
The above plant bands made of fibre-resin materials developed by extensive research work. Tested and proved under all growing conditions by successful greenhouse operators.

NEPONSET "TOM THUMB" FLATS

Made of heavy fibre resinous material. Easily set up. Comes in two sizes to hold either a dozen 1¾-inch bands or a dozen 2-inch. You will find these ideal for counter sales of bedding or vegetable plants. Price, size No. 1, $25.75 per M; size No. 2, $27.35 per M; f.o.b. East Walpole, Massachusetts.

Orders for shipment East of Pittsburgh will be shipped out of East Walpole, Mass. Orders West of Pittsburgh, and including Pittsburgh will be shipped out of Chicago.

A. B. C. DIRT BANDS



Made of cardboard chemically treated for growing plants in flats.

Packed approx. 5,000 to a carton special price on larger quantities.

Size	Weight Per 1,000	Per 1,000	In Lots of 5,000
1¾x1¾x2¾	12 lbs.	$2.40	$2.15 per 1,000
2 x2 x2	10 lbs.	2.25	2.00 per 1,000
2 x2 x2½	13 lbs.	2.50	2.25 per 1,000
2½x2½x2½	15 lbs.	2.75	2.45 per 1,000
3 x3 x3	22 lbs.	3.10	2.75 per 1,000
4 x4 x3	26 lbs.	3.75	3.40 per 1,000

WOOD VENEER PLANT BANDS

Used by the largest growers for vegetable plants, perennial plants, carnations, snaps and stocks. For transplanting in greenhouse or outdoors. Packed 1000 to carton.

	Weight per 1000	Price per 1000
2 x2 x3	16 lbs.	$3.65
2½x2½x3	20 lbs.	3.90
3 x3 x3	21 lbs.	4.25
3 x3 x4	32 lbs.	4.50
4 x4 x4	40 lbs.	5.25

Saves labor when potting. Prevents drain from clogging, thus promoting better plant growth. Easily installed at any time. Will not shift around. Placed in pot with points down. Size, 1⅞ in. dia., 22 galv. steel. Fits 3½ to 7 inch pots. Shipping weight, 24 lbs. per 1000. Prices, 500 for $6.00; 1000 for $10.00; 5000 for $45.00; 10,000 for $85.00. Sample on request.

EVER GRO POT DRAINS. Counter carton containing 100 packages of Ever Gro Pot Drains with six 4 color 4 x 6 in. display easels, which retail at 10c per package. Price, per carton of 100 pkgs. with easels, $6.00.

SEED FLATS

Made from clean Ponderosa Pine, knocked down, put up in bundles of ten flats each.

	Inside Dimensions	Per Bundle of 10
No. 2	22⅜ x 15 x 2¾ inches	$3.85
No. 1	20 x 14 x 2¾ inches	3.60
No. 2-A	22⅜ x 15 x 3¾ inches	4.00
No. 1-A	20 x 14 x 3¾ inches	3.85

PANSY BASKETS

Price, 2 qt. size, 500 for $11.50; 1,000 for $22.00; 3 qt. size, 500 for $13.00; 1,000 for $25.00.

Write for prices on Hotbed Sash.

A GOOD VARIETY OF SIZES IN THESE FLOWER VASES.

And they are built right. Galvanized, hand soldered, with wire reinforcement at the top—the sides tapering so that they nest. Attractively striped in red.

Style	Diameter Top	Diameter Bot.	Ht.	Price Per Doz.
253	4¾ in.	3½ in.	10 in.	$ 5.40
255	6½ in.	5¼ in.	12 in.	7.40
257	6½ in.	5¼ in.	15 in.	8.40
57	5 in.	3½ in.	5 in.	4.80
59	6½ in.	5½ in.	7 in.	6.50
65	7½ in.	6½ in.	8 in.	7.20
66	9 in.	7½ in.	10 in.	8.60
68	9 in.	7½ in.	12½ in.	10.60
69	9 in.	7½ in.	18 in.	12.60
70	9 in.	7½ in.	24 in.	14.40

Galv. Vase

Price Subject to Change.

TRAIN-ETTS

New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. No. 1, 60x72 in., 45c, each, postpaid, 50c; No. 2, 60x96 in., 55c, each, postpaid, 60c. No. 3, 60x180 in., 75c, each, postpaid, 85c.

Jardiers and Vases—Thermometers

Jardier Pot Covers. Popularize the potted plant—because they safeguard the appointments of the finest homes—table tops, linens, window sills—from soilage and overflowing saucers. These are inexpensive, yet take the place in beauty and service of expensive jardinieres. Save time and labor over other methods of trim.

JARDIERS FOR STANDARD SIZE POTS

In Imitation of Pottery — Stucco Effect

Sizes	Diam. Top Inside	No. Per Carton	Price Per 100
No. 4	5¼ in.	100	$ 8.00
No. 5	6¼ in.	80	10.00
No. 6	7¼ in.	50	13.00
No. 7	8¼ in.	35	20.00

(EXAMPLE: Use No. 6 Jardier for a 6-in. Pot.)

JARDIER BULB BOX

No. 3 (or 3 in 1)—Curved construction makes possible a perfect fit for three 3-inch clay pots. Makes ideal table center-piece, 12 inches long, 5 inches wide, 4½ inches high. $20.00 per 100, packed 50 per carton.

NOTE—No. 3, No. 4 and No. 5 Standard Jardiers are extensively used as "vases" for shortstemmed flowers.

THE JARDIER BULB BOX

No. 4 Jardier Bulb Box

Here is the final solution to bulb and plant "box idea" and its many possibilities.

The Jardier box is absolutely waterproof. Place the soil and plants directly into the Jardier. It is the least expensive and most practical method of carrying out the beautiful box idea. Jardier Boxes are self-aerating—same as Jardier Vases—stimulating plant growth.

No. 4—12 in. long—5 in. wide—4½ in. deep. $20.00 per 100—50 per carton.

Standard Color—Green Special Color—White with Gold Trim.

JARDIER VASES

Colonial

Standard Colors—Green—Lavender—With Duo-Tone Finish.

THE COLONIAL

Standard Colors—Green with Duo-Tone Finish.
Special Colors—White with Gold Trim.

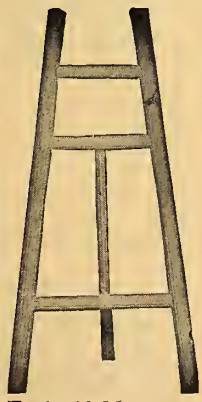
9 in. high, 3 in. in diameter, $12.00 per 100; 60 per carton.
12 in. high, 4 in. in diameter, $20.00 per 100; 32 per carton.
15 in. high, 6 in. in diameter, $35.00 per 100; 13 per carton.

JARDIERS, VASES, BULB BOXES, AND PLANT TUBS not available for immediate delivery. Orders for these items will be filled as soon as we can procure this merchandise.

WOOD EASELS

Strong, well made, finished in white.

Height	Ea.
36 inch	50c
42 inch	55c
48 inch	70c
54 inch	80c
60 inch	85c
66 inch	95c

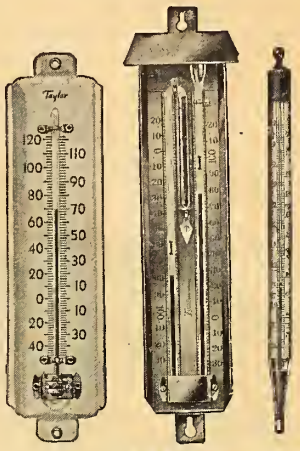


RUBBER APRONS.
Black Lightweight. Each, $2.95.
Red Heavyweight. Each, $3.95.

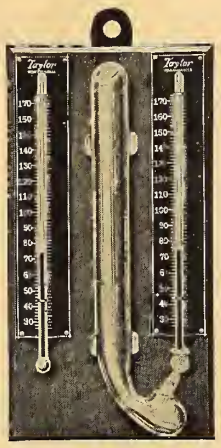
THERMOMETERS. Tin Case. Standard grade (tested). 12 inches. Guaranteed accurate tin case thermometers, black oxidized metal scale, heavy magnified easy reading tube, each, $2.75; 3 for $7.50; doz., $28.80.

Self Registering Tycos. No. 5452, with magnet. 10 in. Maximum and minimum registering thermometers mounted on substantial plastic frame, guaranteed accurate, complete with magnet, each, $8.00.

Taylor Utility Thermometer. White vitreous enamel scale, black figures and graduations; easy reading red permacolor tube which will not fade; prongs on top and bottom for easy mounting, about 8 inches. Each, $1.00; three for $2.75; doz., $10.00.



Taylor Self Registering Hotbed



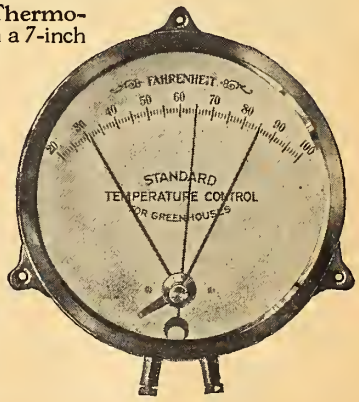
Hotbed (Mushrooms). All glass heavy plain, each, $1.25; 3 for $3.50.

No. 5532-S HUMIDIGUIDE

Permacolor tubes with magnifying lens, indoor temperature range. Scales have burnished metal figures and graduations on a polished lacquer background. Frame is mahogany bakelite with revolving humidity table and easy filling reservoir. Each in attractive box complete with spare wicks and instructions. Each, $5.50. Wicks for Humidiguide, per dozen, $1.00.

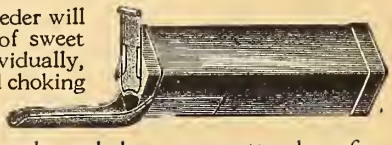
Standard Recording Thermometer No. 200. Furnished with daily chart No. 3 or weekly chart No. 2. Range of temperature 20° to 120° F. Price, $50.00.

Standard Greenhouse Thermostat. No. G. H. 4, arranged in a 7-inch enameled, hermetically sealed metal case supplied with padlock and key. Contact hands when set can be changed only by person having key. Price, $18.00. Shipping weight, 4 lbs.



Standard Greenhouse Thermostat. No. G. H. 3, enclosed in 6-inch non-rusting metal case. Contact hands are set by a stud extending through the glass. Price, $12. Shipping weight, 2 lbs. Prices do not include wire, batteries or bell.

New Handy Seeder



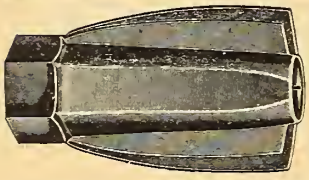
This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 50c, postpaid; three for $1.45; doz., $5.40; retails at 60c each.

Rubber Hose, Couplers, Nozzles, Etc.

VAUGHAN'S ¾ INCH WATER HOSE. This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. **Price 26c per foot.** Couplings, 35c per set extra. This hose can be furnished in any length. **⅝ in. Single Braid Hose. Price, per 50 ft. length, $4.50. Price, ¾ or ½-inch couplings, 35c per set.**

SPRAY HOSE. For high pressure spraying. ⅜-in., per ft., 26c; ½-in., per ft., 30c.

HOSE COUPLING, Improved Ever-Tight. No more waste of time, just press the lever, instant tight connection. A great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 60c; doz., $6.00.



MIST-IC FANSHAPED FLAT SPRAY

Made of plastic—light in weight and easy to handle, this slotted nozzle throws a perfect spray, an even fine fan-shaped flat spray that is just what gardeners want and need. Each, 50c; doz., $4.00.

GARDEN CLUB PLASTIC ADJUSTABLE HOSE NOZZLE.

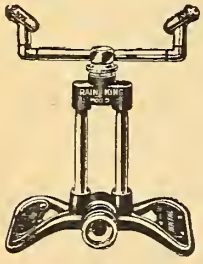
Dark red finish. Adjustable for sprays, streams and shut-off, leak proof. It is a satisfactory wartime substitute for standard brass nozzle. Each, 75c; per doz., $6.00.

ROSS No. 10 SPRINKLER. Is preferred by growers and home owners; capacity seven gallons per minute. Each, 85c; doz. $7.80.

LINCOLN PARK OR BUTTERFLY

Cheapest and best sprinkler made. Each, 60c; doz., $6.00.

Mounted on stand: 2-foot, $1.75; 4-foot, $2.00; 6-foot, $2.35.



MODEL D RAIN KING

The latest Rain King and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Each, $3.00.

HOTHOUSE SPRINKLER

All brass, distributes water evenly; ¾ inch connection; 3 inch face, each, 60c; 4 inch face, each, 75c.

JUSTRITE BRASS HOSE NOZZLE

For lawn and garden, can be changed from fine spray to stream. ¾ inch, each, 75c; by mail, 80c; doz., $6.00.

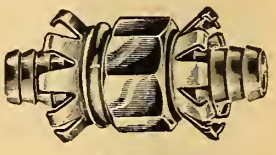
Paradise Syringing Nozzle. 10-inch, each, $2.50; 18-inch, each, $3.00; extra tips, each, 35c.

HOSE WASHERS. ¾-inch. Doz., 10c; gross, 50c.

BRASS CLINCHER HOSE COUPLING. Tight grip, will not leak, easily applied. Made with dark green plastic body. The heavily plated fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 35c; doz., $3.60.

Brass Clincher Hose Mender

Price each, 15c; doz., $1.20.



SOIL SOAKER

Irrigation hose for deep soaking. No. 0—12 ft., each, $1.15; six for $5.75. No. 1—18 ft., each, $1.50; six for $7.90; No. 2—30 ft., each, $2.25; six for $11.90; No. 3—50 ft., each, $3.50; six for $19.50.

EROSIONET

Use Erosionet For New Lawns, Weak Lawns, and Stubborn Terraces

Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 13c; 100-yd. lots, 12½c per yd.; rolls of 250 yds., 11½c per yard.

NOZZLES FOR SPRAYING INSECTICIDES & FUNGICIDES.

Bordeaux Nozzle to fit a standard ¼-inch thread adjustable from fine spray to stream. Each, $1.25.

Vermorel Nozzle, non-clog, to fit ¼-inch thread. Each, $1.25.

Auto Pop Nozzle, including automatic shut-off. Each, $1.50.

Nozzle only, without shut-off. Each, 75c.

SCOLLAY'S FAMOUS FLORISTS' SPRINKLER.

We Are General Western Agents.

None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Large size, plain top, No. 1, 6 in. high, each, $1.35; 3 for $3.90; doz., $13.50.

Makes Cut Flowers Last L-o-n-g-e-r PATENTED

Floralife

THERE IS ONLY ONE FLORALIFE ACCEPT NO SUBSTITUTE

Use original, patented FLORALIFE! Bring customers back for more of your cut flowers because they last 5 to 10 days longer! Blossoms hold color and fragrance. No need to change water or to re-cut stems. Opens buds extra wide!

Handsome, Colorful Counter Displays

FLORALIFE sells on sight at 10c to all flower lovers. A fine profit for you. Packet prices in cartons; 25 2-qt. size, $1.25; 100 2-qt. size, $5.00.

Enclose a packet with each sale. And put it in your vase-flower orders. Also in your stock pots. FLORALIFE makes flowers, under refrigeration, last weeks longer!

FLORALIFE IN BULK

30-qt. size ($1 retail)	$ 0.60
100-qt. size ($3 retail)	1.75
250-qt. drum (10 lbs. net)	4.00
500-qt. drum (20 lbs. net)	7.50
1000-qt. drum (40 lbs. net)	13.50
2000-qt. drum (80 lbs. net)	25.00

BULK SIZES

Glazing Materials and Hotbed Supplies

GARLANITE. The original white glazing compound, remains soft and flexible, easy to apply and to remove. Price 40 and 60-gal. drums, $2.40 per gal.; kegs, 10 and 20 gals., $2.50 per gal.; 5-gal. kegs, $2.70 per gal.; gal. cans, $2.75. 10 gals. or more prepaid.

GARLAND WHITE SHADING COMPOUND. 25 lbs. is equivalent to 2 gals. 25 lbs., $4.00; 50 lbs., $7.00; 100 lbs., $13.00; 200 lbs., $24.00; 300 lbs., $35.00; 500 lbs., $55.00, F.O.B. Chicago or Cleveland, O. 100 lbs. or more, freight prepaid and shipped from factory.

TAMM'S SHADING COMPOUND. Save on shading painting. Stays on in rainy weather and is easily removed when no longer needed; none better made. White, per 100 lb. keg, $9.00; Barrel of 400 lbs., $28.00. Green, 2c per lb. higher.

VAUGHAN'S GREENHOUSE BULBING CEMENT. A pure asphalt glazing compound for greenhouse use. Will not crack or run and adheres to all glass and framework or sash. One gallon to 300 lineal feet. Apply with Mastica Machine or Bulber. 60, 40 and 20-gal. drums at $1.00 a gal.; 10 and 5-gal. drums at $1.30 a gal.; 1-gallon can, $1.50.

MODEL "O" SAFETY GLAZING GUN. Gratis with 40 or 60-gal. drum of glazing cement. Each, $5.50.

VITAPLASTIC GREENHOUSE MAINTENANCE PRODUCTS, Vita Bar Seal Paint. Effectively seals and protects Greenhouse Bars, having excellent durability and adhesion to both bars and glass due to the exclusive use of Vitaloid. Per gallon, $3.50; 5 gallons, $17.50. Freight prepaid on 10 gallons or more.

Vita Bedding Compound. An excellent elastic compound for rebedding. Gal., $2.75; 5-gal. pails, $12.50; 10 gals. or over prepaid.

PUTTITAPE. A wonderful new method of glazing new ever soft gum now mounted on tape, made of lead foil to protect it, comes to you in handy rolls. Just unroll on the sash and bars, price, 100 ft., $3.50; per 700 ft., $21.00.

SEAL-A-SEME. For repairing leaky ice cans, galvanized vases and greenhouse water buckets. Easily applied, brine proof. Does not retard refrigeration. Creates an absolutely tight joint that will last for years without further care or attention. 1 lb. can, 85c; 10 lbs., $7.50.

GLAZING PUTTY. Gun Grade. A superior grade which will not dry out and crumble. Seals tight, remains soft and pliable. Gal., $2.10; 5 gal. can, $10.00; 30 gal. drum, $55.00.

PUTTIROPE. A great new improvement for glazing and caulking, easy to apply, won't deteriorate, run or get brittle. 100 ft. to a box. 100 ft., $1.00; 300 ft., $2.50. Postpaid, 1,000, ft., $5.00. F. O. B. Pana, Illinois.

PUTTY KNIFE, No. 120. A very good tool. Each, 45c; 3 for $1.25.

GLAZING POINTS, Vaughan's Perfection—No rights or lefts.

No. 2. For large single thick glass. No. 2½. Double thick, for greenhouses and skylights.

No. 2. Price, per lb. (about 900), 60c; in lots of 5 lbs., 55c per lb.; No. 2½. Per lb. (about 800), 60c; 5 lbs. at 55c per lb.

Write for prices in larger quantities.

SIEBERT'S IMPROVED.

Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point is very easily pulled out in repairing greenhouse roof. Two sizes, ⅝ and ⅞ inch long, put up in 1-pound packages. Over 1,500 points in 1-lb. pkg. of ⅝ in; over 1,000 points in 1-lb. pkg. of ⅞ in. Price: per lb., 50c; 5 lbs., $2.35; 20 lbs., $8.25.

PUTTY BULB, Scollay's. A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. Each, $1.45; 3 for $4.20; doz., $14.80.

TROJAN ROLLER TYPE GLASS CUTTER. Doz., $2.50; each, 25c.

HOTBED MATS

For protecting Hotbeds, made of poplin, material, vat dyed and Sanforized to make, them damp proof, 40x76", price each, $4.95; dozen, $49.00; 76x76" price each, $6.95; dozen $72.00.

VITAPANE GLASS SUBSTITUTE. Crystal-clear transparent, durable, glossy material. Admits over 60% ultra violet rays for greenhouses, hot and cold bed frames, hot houses, as plant protectors and everywhere glass is generally in use. Put up in 50-ft. rolls, 36 inches wide. Price per roll, $9.25; 5-roll lots at $7.40 per roll.

GLASS WOOL. Protection and perfect mulch for your prized Plants and Shrubs, has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres. Packed 12 rolls to a carton, 24" x 96" in size, 192 sq. ft. Price per carton, $6.50; three cartons for $18.75.

Write us for prices on Hotbed Heating Cable and Thermostats.

MILL CREPE DUPLEX TREE WRAP

For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 120 ft. to a roll. Weight about 2 lbs. **Each, 50c; 10 rolls for $4.50; 25 to 49 rolls at 42c roll.**

CEL-O-GLASS. Will take the place of glass in hotbed sash, unbreakable and very light in weight. Properly installed, Cel-O-Glass is guaranteed for 5 years, will not break like glass or tear like cloth, flexible, easy to handle and install. Put up in rolls 3 ft. wide up to 100 ft. long. Price per 25-ft. roll, $8.35; 100 ft. roll, $30.50. 28 inches wide, 100-ft. roll, $24.25.

SUCTION FLOWER HOLDERS

Made of metal, round shape, with square wire mesh dome, finished in green bronze with rubber vacuum cup in bottom which prevents tilting over when long-stem flowers are used. No florist should be without these wonderful sellers.

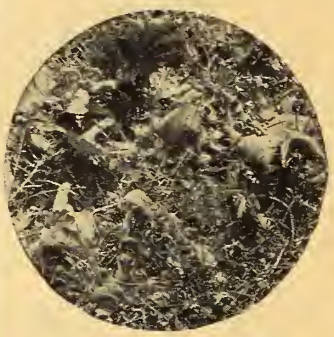
3-inch diameter . . . . . Per doz., $3.00
4-inch diameter . . . . . Per doz., 4.00
5-inch diameter . . . . . Per doz., 5.00

New Chemical Marvels

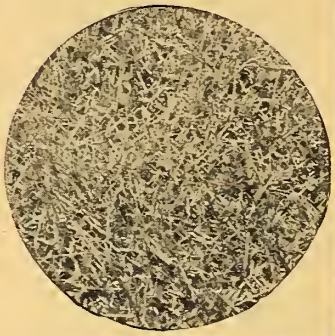
Rid Garden of Weeds and Pests

GIANT THISTLE IS THOROUGHLY SPRAYED WITH DANDYKILL

Dandykill Exterminates Lawn Weeds Leaving Blue Grass Unhurt



LAWN BEFORE SPRAYING



LAWN TWO WEEKS LATER

FOUR WEEKS LATER THISTLE IS DEAD TO THE ROOT TIPS

Dandykill is a form of the remarkable weed killer 2, 4D, which in our judgment is best suited for use by amateurs with ordinary spray equipment, because:

It is the most economical, a powder rather than liquid, which saves shipping weight, and completely soluble in water, making it easier to prepare and use, and to clean from your spray equipment after use.

The growth regulating chemical (hormone) 2, 4 dichlorophenoxyacetic acid, commonly known as 2,4D, is used in varying forms and strengths for horticultural purposes, and has been proved to act as a selective weed killer when sprayed in the proper strength on plants to be destroyed.

Extensive experiments made last summer established the fact that when used correctly, this chemical is harmless to blue grass and red top, which are usually combined in lawn mixtures, and also to fescues. It is not effective against crab grass and may injure bent grasses. It retards the growth of white clover and often kills it.

Tests made in many parts of the country have proved this chemical to be fatal to the following weeds found in lawns: Buttercup, chaerophyllum, chickweed, cinquefoil, cress, dandelion, dichondra, dock, fleabane, gill-over-the-ground, heal-all, henbit, knotweed, lespedeza, lippia, moneywort, mustard, onion, pennywort, pepper-grass, both broad and narrow leaf plantain, pussy-toes, shepherd's purse, speedwell, thistle, veronica and whitlow.

In general it may be said that it rids the average lawn of most weeds, without injuring blue grass, in fact many reports say that following its use blue grass improves in color and vigor.

Bent grass is not always injured but if sprayed when in full growth its leaves may be killed, though new growth in from two to four weeks is probable.

Time To Apply—U. S. Government scientists recommend that weeds be sprayed when vigorous early growth is well established, dandelions just before they flower. When treated, they say, weeds die because their food reserves are used or burned up. Thick roots of dandelions become soft in three weeks, and under warm, moist conditions the whole plant, roots and all, disintegrates entirely in about two months.

Visible Effects on Weeds. Leaves curl up, then turn yellow, and finally die. First effects are apparent in from 24 hours to 6 days after spraying, and lawn weeds usually disappear in two to three weeks.

Danger in Use. Greatest care must be taken to prevent Dandykill spray from touching desirable plants, which may be killed or deformed as a result. Especially important is it that sprayer equipment be thoroughly cleaned after using for 2,4D, lest some trace remain to mix with other spray materials, and injure plants sprayed with it. Being soluble in water, Dandykill is more easily cleaned from spray equipment than are the forms of 2,4D which are dissolved in oil or wax. Nevertheless care must be taken to insure that no remnant of 2,4D remains in the form of liquid, or deposit on the walls, before the equipment is used for another purpose. Wash with soap suds and rinse with hot water several times.

Kills Weeds Not Found in Lawns. Dandykill is fatal to weeds not found in lawns including poison ivy, bindweed, sumac, sheep sorrel, thistle and many others.

How to Apply. It is best applied in a fine spray, at the strength recommended on the package, thoroughly wetting the plants to be destroyed. Directions for using it with a dry carrier are supplied with each package.

For suitable sprayers, see page 92.

Dandykill: Ceiling prices, 2 ounces (will treat 800 square feet) retails 50c each, doz., $3.60. 6 ounces (will treat 2,500 square feet) retails $1.00 each, doz., $7.20. 24 ounces (will treat 10,000 square feet) retails $3.00 each, doz., $21.60. 6 pounds (will treat 40,000 square feet) retails $10.00 each, 6 for $36.00.

Use Protexall for Most Insects and Diseases

A one-shot spray or dust that protects plants from most insects, fungi and bacteria. From a single package, this post-war formula enables you to apply to both food and ornamental plants in one all-inclusive operation the four most effective materials for combatting plant pests which war-time invention and world-wide tests have approved:

D. D. T., the marvelous insecticide developed by war experience which kills most garden insects, except some aphids, bean beetles, and red spiders.

Rotenone, most effective of the pre-war materials, non-poisonous to animals, but fatal to aphids, bean beetles, and all others which may be unharmed by D. D. T.

Fermate, greatest discovery in fungicides, hitherto unobtainable for gardens, harmless to all plants, and giving complete protection from many pests which resist other materials.

Sulphur, safest and most effective pre-war fungicide, which deals with most troubles which fermate does not.

With this one preparation the amateur gardener can be sure of applying the most effective modern remedy to every case of insect or disease injury which may threaten his garden, whether he grows flowers or food.

To give equal protection, with separate sprays or dusts, it would be necessary for him to keep in stock a contact insecticide, a stomach poison, and at least two remedies for fungi and bacteria. To use these separate materials effectively, he would be obliged to diagnose the trouble which was threatening his plants, and select the correct materials to deal with it, otherwise his effort might be in vain. Even experienced gardeners are often unable to diagnose garden trouble; sometimes there is doubt whether an injury is due to insects or disease. The need for a combined spray and dust has been felt for generations, and many attempts have been made to provide it. With pre-war materials it was difficult to find a combination which would be fatal to all pests, yet harmless to all plants, which would combine without loss of effectiveness by any constituent and keep in combination without deterioration.

These difficulties have disappeared with the development of Fermate and D.D.T., which became known during the war, and will be made available for general garden use this year for the first time. These materials have such marvelous scope that their limitations are not yet fully known. D.D.T. controls most chewing insects, and many juice drinkers which defy pre-war materials, such as leaf hoppers and flea beetles, and European corn borer. It destroys with amazing effectiveness Japanese beetles, cabbage worms, most caterpillars and beetles, but not the Mexican bean beetle, and some plant aphids but not all. Rotenone, however, will exterminate those against which D.D.T. is ineffective.

Fermate has been chiefly used so far in greenhouse and garden experiments where it has proved harmless to the most delicate plants, and a reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, most scale insects, anthracnose of tomatoes and brown rot of cherries. If there are forms of fungi and bacteria which fermate will not touch, then sulphur is added to take care of them. Sulphur used in Protexall is in a form which will not injure any garden plant.

Protexall is prepared in two forms, one for use as a spray, and one for use as a dust. The proportion of each material used in Protexall is scientifically correct, in order to insure maximum effect. Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust is prepared with an inert filler, and cannot be used as a spray.

Protexall Spray, 1 oz. package retails at 35c, price per carton of 24, $5.04; 4 oz. package retails at $1.00, per carton of 12, $7.20; 5 lb. package, $9.00. 1 oz. will make approximately 4 gallons of spraying solution.

Protexall Dust, 1 lb. package retails 75c, price per carton of 24 packages, $10.80; 4 lb. package retails at $2.00, per carton of 12, $15.84; 50 lb. bags each, $15.00.

New Greenhouse Insecticides

Sodium Selente Makes Plants Poison Insects

Sodium selenate, which Dr. W. E. Blauvelt of Cornell University told a florists' meeting at Cornell University, "is out of the experimental stage," when applied to the soil in a greenhouse bench is absorbed by the plants, and makes them poisonous to insects.

Over 3,000 pounds have been used in 1945, sufficient to treat six million square feet of greenhouse bench area. One treatment of the soil is effective for three to six months.

Not all insects are affected. It works best with soft plants like chrysanthemums, carnations, gladioli, cyclamens, saintpaulias, etc., and has not been found entirely effective on woody plants. It kills red spider and aphis on chrysanthemums and carnations, cyclamen mites on chrysanthemums and saintpaulias, foliar nematodes and midge on chrysanthemums.

Complete instructions for use are sent with the material and must be followed closely. To emphasize the need for care in the use of this new material, we ask all purchasers to sign a release to us of all responsibility for any damage which may be caused.

Two forms are available. Pure sodium selenate is a granular powder, very concentrated: One pound treats 1,800 square feet of bench area. This material is completely water-soluble. 100 grams (makes 1 gallon) prepaid $1.50; per lb., $4.00. By express, charges collect.

P-40 is two per cent sodium selenate and ninety-eight per cent carrier (superphosphate in the present material). It is a dilute material. Three pounds treat only 100 square feet of bench area. 3 lbs., $1.50 prepaid; 25 lbs., $4.25; 50 lbs., $8.00; 100 lbs., $14.00, by express, charges collect.

AZOFUME 70 (AZOBENZINE)

The new fumigant for controlling Red Spiders on roses. Price per 5 lb. package, $10.00; 10 lbs., $17.50; 25 lbs., $37.50; 50 lbs., $62.50; 100 lbs., $100.00.

Post-War Fungicide

FERMATE. This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 10 lbs., $11.00; 25 lbs., $25.00, shipped by express, charges collect.

D. D. T.—Yamtox

Use of DDT alone seems to have a tendency to increase the infestation of other insects that it does not control. This may be due to killing off desirable parasites, or freeing them from competition. DDT Yamtox contains the full complement of rotenone necessary for the control of red spiders and other mites, thrips and aphids. The incorporation of 5% DDT in it widens its range of use to the satisfactory control of tarnished plant bug and leaf rollers. Where the plants are easily damaged, or where it is desired to spray open flowers of mums, or to dip the entire plant, as in the case of cyclamen mite, Yamtox DDT sure fits the bill.

Yamtox is a concentration of the active principles of the Yam Bean (Pachrhizus erosus). The Yam Bean affects many insects in much the same manner as Rotenone and seems to be the nearest approach to it. It has been used for centuries in the control of pests on vegetables in some parts of China. In Yamtox the toxic effects of the bean are extracted to make them as available as possible. They are further strengthened by chemicals of proven toxicity. Especially recommended for the control of Plant Lice, Red Spider, Thrip, Cyclamen Mite, Cabbage Worms, and most other insects that are controlled by Rotenone. It is very mild upon Plant Growth and safe to use even on most tender plants. Price per gallon, $12.00; case of 6–1 gallon cans, $11.00 per gallon; 30 gal. drum, $270.00.

All Forms of D. D. T.

D. D. T. 40% WETTABLE DUST. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 8 oz., retails $1.00 per doz., $8.00; 1 lb. retails $1.35, per doz., $9.00; 5 lbs., $4.00; 25 lbs., $15.00.

D. D. T. 30% LIQUID SPRAY. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., retails, $1.50, price per doz., $10.80; gals. each, $12.50.

D. D. T. HOUSEHOLD SPRAY. An oil spray for lasting control of pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Pints per doz., $3.60; qts. per doz., $4.80; gals. per carton of 4-1 gals., $4.80.

D. D. T. 5% DUST. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. retails, 35c; per doz., $2.80; per carton of 24, $5.40. 25 lbs., $3.25; 50 lbs., $6.00.

D. D. T. AEROSOL BOMB. When released from the bomb in five to seven seconds, non-poisionous Freeon gas impregnated with 3% D. D. T. and 2% pyrethrum, both deadly to insects, completely fills a room, killing insect life and leaving a deadly deposit which will protect from pests for weeks. Moths, mosquitoes, roaches, flies and other household pests are exterminated. Safe to use and harmless to clothing and furniture. One bomb will last the average household months. Aerosol bomb, contents 16 oz., retails, $3.00; six for $13.50; per carton of 12, $24.00.

Hormones

PLANT STIM. This is a complete Hormone, including necessary vitamins for treating of transplants of all kinds. Besides containing root forming Hormones and Vitamin B1 and other members of the Vitamin B1 complex which are important in plant growth, it has fungicidal value. Stimulates quick growth of transplants and prevents wilt. 3 oz. retails for 50c, per case of 24, $7.20; price 1 lb., $2.00; 5 lbs., $7.50.

STIM ROOT

An improved rooting compound containing several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that checks fungi that rot cuttings. A small amount of dust will coat each cutting evenly, making a pound go further. ¾ oz. retails at 50c; per case of 24, $7.20; 2 oz. retails at $1.00; per case of 12, $7.20; 1 lb., $5.00.

SEED-LESS-SET
HORMONE SPRAY

A new scientific development insures "set" of first tomato flowers which usually fall off during early spring; eliminates seeds; causes weeks earlier ripening; increases yield and size of fruit; pollinates self-sterile plants. 4 oz. size, each, 50c; carton of 24 bottles, $7.20. 8 oz. retails at $1.00, per case of 12, $7.20; quart, $3.00; gallon, $9.00.

Insecticides and Fungicides

Add Postage According to Weight and Zone (See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

ACME BAIT-M with Metaldehyde. A double-action insect bait. To control cutworms, sow bugs, grasshoppers and earwigs. Ceiling prices 1 lb., 25c, doz., $2.00; 2½ lb., 50c; doz., $4.00.

ACME EMO-NIK. A combination spray of nicotine and summer oil emulsion for aphids scale, thrip, mealy bug, etc. Ceiling prices, 4½ oz., 35c; doz., $2.52; pint, 65c; doz., $5.20; gal., $2.80.

ACME SCIENTIFIC ROSE SPRAY. For roses, flowers and shrubs of all kinds. Consists of three elements for controlling sucking and chewing insects, black spot and other fungus diseases. No. 3 kit will make 12 qts. Ceiling prices, each, 95c; doz., $6.84. No. 6 kit will make 24 qts. Ceiling prices, each, $1.50; six, $5.40. No. 24 kit will make 96 qts. Ceiling prices, each, $4.00; three for $7.20.

ACME KOPPER QUEEN. A strong liquid copper spray for control of mildew, leaf rot and black spot on roses, flowers and plants. Ceiling prices, 8 oz., 35c; doz., $2.40; qt., 75c; gal., $2.00.

APHINE. Ceiling prices, pt., 75c; 1 qt., $1.00; 1 gal., $3.00.

ARASAN. Ceiling prices, 5 lbs., $6.45; 25 lbs., $30.00; 100 lbs., $115.00.

ARSENATE OF LEAD. The standard spray or dust for quick, dependable control of practically all leaf-eating (not sucking) insects. Ceiling prices, 1-lb. carton, 30c; doz., $2.80; case of 24, $5.40; 4-lb. bag, 75c; 48 lbs., $7.20; 100 lbs., $14.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Ceiling prices, 2 lbs., 50c; doz., $4.20.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One pound will make 5 gallons liquid. Ceiling prices, lb., 30c; doz., $2.80; 4 lbs., 75c; case of 24 lbs., $3.75.

CALCIUM ARSENATE. (Dry.) Ceiling prices, lb., 30c; 4 lbs., 70c.

CARBON DISULPHIDE. For ants and cut worms. Ceiling prices, 1 lb., 50c; doz., $4.20.

COPPER SULPHATE. Crystals. Ceiling prices, 10 lbs., $1.50; 25 lbs., $3.50; 100 lbs., $12.00.

CORROSIVE SUBLIMATE. Calomel, Calogreen, Calochlor, and other mercurials. Due to fluctuating market, write for prices.

CUPRINOL WOOD PRESERVATIVE. Stops rot around the greenhouse. One gallon covers and preserves approximately 400 sq. ft. of wood. Ceiling prices, per gallon, $2.90; 5 gals. for $14.00; 50 gal. drum, $135.00.

CYANOGAS "A" GRADE. For moles, rats, gophers, and other rodents. Ceiling prices, 1 lb., doz., $6.00; 5 lbs., each, $3.00; 25 lbs., $10.00; 100 lbs., $25.00; 4-oz. tins for ants, doz., $2.40.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Ceiling prices, 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $25.00. Write for leaflet; freight prepaid on 100-lb. lots.

D. N. SULPHUR DUST No. 10. A new and very effective control for red spider, thrips, and rust diseases on carnations. Ceiling prices, 10-lb. bag, $3.50; case of 5 bags, 50 lbs., for $12.50.

D. N. DUST No. 12. For control of red spider, mite and thrips on roses, calla lilies, snapdragons, gardenias and carnations. The active element in D.N. Dust No. 12 is a dinitro compound effective in all stages of mite development. Should be used before blooming period. Ceiling prices, per 10-lb. bag, $4.50, case of 5 10-lb. bags, $20.00.

DOWSPRAY 17. A Dinitro Compound for use as a wet spray to control red mite and thrips. Helps produce better foliage. Protection for roses, carnations, calla lilies, azaleas, snapdragons, gardenias, hydrangeas, etc. Put up in ¾-lb. cans, 9 to a case. Ceiling prices, each, $2.50; per case, $20.25.

DOWFUME G. New rapid setting soil fumigant. Especially toxic to Nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 10 gal. drum, weight 113 lbs., ceiling price 25c per lb.; 55 gal. drum, weight 597 lbs., 20c per lb. 55 gal. drum charge $6.00. Returnable for credit.

D.X. PYRETHRUM-ROTENONE DDT SPRAY. A concentrated plant spray containing Rotenone-Pyrethrum-DDT in an active glyceride base. Controls sucking and chewing insects. Price 1½ oz. packed 24 to case, $4.80 per case; 8 oz. packed 24 to a case, price per case $18.48; quarts packed 12 to case, per case $31.80; gallon each, $10.00; 5 gallons each, $42.50.

DOWFUME G APPLICATORS. Highly satisfactory hand applicators. Adjustable for varied dosages. Will give years of service. Two types—No. 45-F, height 28 in., ceiling price, each, $20.00; Type 45-AF, height 42 in., price $20.00.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Ceiling prices, lb., 35c; doz., $3.00; 5 lbs., $1.50; 25 lbs. $4.50; 100 lbs., $11.50.

DX PYRETHRUM. Scientific Pyrethrum Spray. Ceiling Price: Per gallon, $10.75.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Ceiling prices, lb., 30c; doz., $2.50; 7½ lbs., $2.00.

FLOWERS OF SULPHUR. Dusting grade. Ceiling prices, lb., 15c; 10 lbs., $1.00; 50 lbs., $2.45; 2 bags for $4.25.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Ceiling prices, 1 lb., 85c; 5 lbs., $2.50; 25 lbs., $10.00; 50 lbs., $17.50.

FUME TOBAC. Fumigating Powder. Ceiling prices, 25-lb. drum, $5.00; 50-lb. drum, $8.00; 100-lb. drum, $15.00.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Ceiling prices, pt., 60c; qt., $1.00; gal., $3.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Ceiling prices, lb., 35c; 5 lbs., $1.25; 10 lbs., $2.25; 25 lbs., $4.50.

GRASSELI S. S. 3 COMBINED SPREADER AND STICKER. Designed especially for use with agricultural sprays. Ceiling prices, pt., 75c; gal., $4.75.

KRYOCIDE D50 WITH SULPHUR. A combination insecticide and fungicide for chewing insects. Contains natural Cryolite. Retails at 50c per lb. Ceiling price per carton of 24 cans, $7.20; 3 lb. bag retails for 85c; carton of 12 cans, $6.60.

L 333. ROTENONE PLANT SPRAY. Ceiling prices, gal., $10.75; 5 gals. for $48.75.

LEMON OIL. Destroys mealy bug, scale, red spider. Ceiling prices, ½ pt., 35c; pt., 60c; qt., $1.00; ½ gal., $1.75; gal., $3.00; 5 gals., $12.00.

LIBERSOL. Pyrethrum Spray. Ceiling Price: Per gallon, $11.00.

LORO. A new contact insecticide for controlling aphids, thrips, red spiders, etc. Ceiling prices, pt., $2.00; gal., $10.50; 5 gals., $45.00.

METHYL BROMIDE. An ideal fumigant for many purposes. For seeds, bulbs and many greenhouse plants. Ceiling prices, per lb. can, $1.15; 10-lb. cylinder, $7.75. Write for price on larger cylinders.

NEW IMPROVED CERESAN. Ceiling Prices: 1-lb. can, 80c; 4 lbs., $2.70; 25 lbs., $15.00; 100 lbs., $55.00.

NICO-FUME HOLDER. For 1-lb. size pressure fumigator. "Adaptor" is included for the ½-lb. size. Ceiling price, each, 85c.

NICO-FUME LIQUID. For fumigating or spraying; contains 40% nicotine. Ceiling prices, lb., $2.45; 4 lbs., $6.55; 8 lbs., $11.25; 40 lbs., $45.75.

NICO-FUME PRESSURE FUMIGATOR. Put up in ½-lb. and 1-lb. cans, powder is now burned under pressure, giving better control of insects. The cans have a sparkler for lighting the powder. Ceiling prices, ½-lb. cans, 45c; six for $2.50; doz., $4.45; 1-lb. cans, 75c; six for $3.95; doz., $7.40. Orders for 36 1-lb. cans or 60 ½-lb. cans, prepaid by freight in United States and many parts of Canada. Also on a combined shipment of both sizes in full case lots weighing a total of not less than 50 lbs.

NICO-ROTE. A combination of nicotine and rotenone. Kills by contact and fumes. Ceiling prices, qt., $4.00; gal., $12.00.

NO-PY-RO. The new synthetic insecticide for controlling aphids, mealy bug, green and white fly, etc. Ceiling prices, per quart, $3.00; gal., $10.00; 5 gals., $45.00.

No. 10 REFINED ROSE SPECIAL. For roses and carnations. Kills high percentage of eggs, no discoloring of blooms. Ceiling prices, per gal., $10.00; 5 gals., $45.00.

PARIS GREEN. For chewing insects on potatoes and certain other hardy plants. Kills quickest. Ceiling prices, ¼-lb. carton, 20c; doz., $1.80; 1 lb., 45c; 5 lbs., $1.95; 14 lbs., $4.75.

PENETROL. An activator for nicotine spraying solutions. Ceiling prices, qt., 75c; gal., $1.75; 5 gals., $6.75.

PINE TAR. For tree surgery. Ceiling prices, qt., 60c; gal., $1.25.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Ceiling Prices: Lb., 50c; doz., $4.00; 5 lbs., $1.75; 25 lbs., $8.00.

POMO GREEN. With nicotine. Ceiling Prices: Lb., 75c; doz., $6.00; 5 lbs., $3.00.

PYRETHRUM POWDER. Ceiling Prices: Lb., 75c; 5 lbs., $3.50; 10 lbs., $6.25; 25 lbs., $14.75. Write for price on larger quantities.

RESPIRATORS. For mild fumigating and dusting. Each, $2.25.

SALP. An effective insecticide for destroying thrips, leaf rollers and other chewing insects. Use at a ratio of 2 lbs. Salp with 4 lbs. sugar to make 100 gallons of solution. Where a sticker is required, 5 lbs. of flour can be added to the 100 gallons. Ceiling Prices: 30-lb. container, $6.90; 50-lb. container, $11.00. Prices f.o.b. Elizabethport, N. J..

SULPHUR FOR SPRAYING. Magnetic spray. Wettable. Goes into suspension in water immediately like colloidal sulphur, at a lower cost. Ceiling Prices: 4 lbs., 50c; 6 for $2.75; 100 lbs., $8.00.

SCALECIDE. An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Ceiling Prices: Qt., 65c; gal., $1.55; 5 gals., $5.50; 10 gals., $9.50. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Ceiling Prices: Gal., $3.00; 5 gals., $13.50; 10 gals., $24.50; 30 gals., $58.50; 50 gals., $87.50.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Ceiling Prices: ⅓ oz. pkg., doz., 80c; 2 oz., 40c; doz., $3.20; 12 oz., $2.00; 4 lbs., $9.10; 25 lbs., $52.50; 100 lbs., $198.00. Write for leaflets, stating for what purpose desired. Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SNAROL With Metaldehyde. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Ceiling Price: 1 lb. pkg., 25c; doz., $2.00; 2½ lb. pkg. 50c; doz., $4.00; 10 lbs., $1.35.

SPECIAL SEMESAN. Control for brown patch, dollar spot, etc. in bent lawns. Ceiling Prices: 6 lbs., $9.35; 25 lbs., $36.00; 100 lbs., $135.00.

SPECIAL RED ARROW. A pyrethrum spray for controlling leaf rollers and leaf tyers especially. Price per quart, $4.35; gallon, $14.50.

SPERGON SEED PROTECTANT. Ceiling Prices: 2 oz., 35c; 1 lb., $2.25; 10 lbs., $18.50; 100 lbs., $153.00.

SPERGON WETTABLE GRADE. Ceiling Prices: 10 lb. drum, $9.25; 50 lbs., $43.75; 100 lbs., $76.50.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. Ceiling Prices: 5 lbs., 40c; doz., $3.00; 10 lbs., 75c; 25 lbs., $1.20; 100 lbs., $3.20.

TARTAR EMETIC. A spray for the control of Thrip, a life saver for gladiolus growers. Ceiling Prices: 1 lb., 90c; 5 lbs., $4.25; 25 lbs., $18.75; 100 lbs., $70.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Ceiling Prices: Pt., 90c; qt., $1.50; gal., $5.50.

TOBACCO DUST (Regular Grade). Ceiling Prices: 10 lbs., 65c; 25 lbs., $1.20; 100 lbs., $3.50.

TOBACCO STEMS. Ceiling Prices: 100 lbs., $2.50; 500 lbs., $10.50.

TRIO-GEN. Fungicide, insecticide and plant stimulant. Ceiling Prices: A, small kit, makes 16 qts., $1.50. B, medium kit, makes 64 qts., $4.00. C, large kit, makes 32 gallons, $6.00. D, estate kit, makes 128 gallons, $20.00.

TRITON B-1956. An efficient emulsifier and spreader for insecticides and fungicides. Goes much further than ordinary spreader. Ceiling Price: Per gal., $6.50.

VERMINE. For eel, cut worms and wire worms working in the soil. Can be applied to all vegetation. Ceiling Prices: ½ pt., 40c; pt., 75c; qt., $1.10; gal., $3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Ceiling Prices: Pint, 50c; gal., $2.00; 5 gals., $6.25; 28-gal. drum, $25.00; 54-gal. drum, $42.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Ceiling Prices: Qt., $1.00; gal., $3.00; 5 gals., $12.00.

Items You Can Sell

Following popular insecticides are priced in quantity for your use and also in small package assortments for re-sale.

Items below ordered in less than quantity quoted will be billed at a higher rate.

D. D. T. ROTOTEC

A Rotenone Garden Spray. Contains full amount of Rotenone plus 5% D. D. T. necessary for good insect control. 4 oz. bottle retails at $1.00, price per dozen $7.20, pint bottle retails at $2.75, price per dozen $18.00.

McCORMICKS RED ARROW. Rotenone dust. 2 lb. pkg., 50c; carton of 12 pkgs., $4.00.

ACME KOPPER KING. A scientific copper compound four times as strong as bordeaux mixture; will not cause bordeaux mixture injury on tomatoes. Ceiling Prices: lb., 45c; doz., $3.66; case of 24 pkgs., $7.08; 4-lb. bag, each, $1.05; per case of 12 bags, $8.88.

ACME VEGETABLE GARDEN AND FLOWER SPRAY. A combination spray for controlling sucking and chewing insects. Can be used as a dust or spray. Ceiling Prices: 1 lb. handy shaker top carton, price, 40c; doz. cartons, $3.24; per case of 24 cartons, $6.24; 4-lb. pkgs., per case of 12, $9.00.

ACME RED RIVER POTATO MIX. A special formula for potatoes. Ceiling Prices: 1-lb. bags, doz., $2.70; carton of 24 bags, $5.16; 4-lb. bags, 75c; six for $4.20; carton of 12 bags, $7.66.

ANT KILLER. Ceiling Prices: Master ½-oz. bottles, doz., 75c; 2-oz., doz., $2.00; 4-oz., doz., $4.00.

APHIS SPRAY. A combination of Black Leaf 40 and Fish Oil Soap. Ceiling Prices: Per doz. 3-oz. tubes, $2.70. Retails at 35c per tube.

BAIT-M WITH METALDEHYDE. A double action insect bait for control of Sow Bugs, Cutworms, Grasshopper, etc. 1 lb. package, 25 c, carton of 24, $4.00; 2½ lb. bags, 50c, carton of 12, $4.00.

BLACK LEAF 40. Ceiling Prices: Oz. bottles, doz., $2.78; carton of 24, $5.56; 5-oz. bottles, doz., $8.55; 1 lb., $2.25 ea.; 2 lbs., $3.25 ea.; 5 lbs., $6.00 ea.; 10 lbs., $11.00 ea.

DAWG-GONE. Protects evergreens from dogs. Ceiling Price: Per doz. tubes, $2.00.

DOGZOFF. Keep dogs and other animals away from trees, shrubs, evergreens, etc. Ceiling Prices: Bottle, 60c; doz., $4.80; gross, $46.08.

NO PEST WITH D. D. T. INSECT BAIT. A bait to combat Snails, Slugs, Cut Worms, Sow Bugs, Grasshoppers and Earwigs. Price for Garden Size package which treats about 300 square feet, 25c; carton of 25 packages, $3.75.

G&O CROW REPELLENT. ½ pt. retails for 35c, packed 24 to a carton, price per carton $5.60, pint retails at 55c, price per dozen, $4.40.

NICOTINE PYROX. 20-oz. jars. Ceiling Prices: Doz., $4.60; carton of 24, $8.97; 5 lbs., $1.50; case of 12, $15.60; 25-lb. drum, $6.50; 50-lb. drum, $10.65.

PYROX. Combination insecticide and fungicide. Ceiling Prices: 25 lbs., $5.75; 50 lbs., $8.35.

RED ARROW GARDEN SPRAY ROTENONE. Ceiling Prices: 1-oz. bottles, carton of 24, $5.40; 4-oz. bottles, doz., $8.00; pint, $2.50; qt., $3.60; gal., $11.50.

ROTOTEC SPECIAL DEAL. 24 1-oz. bottles and 2 4-oz. bottles, retails for $10.40. Dealer's price, per deal, $5.04.

SLUG SHOT, Hammond's. An insecticide for destroying chewing insects. Ceiling Prices: Doz. 1-lb. pkgs. for $2.40; 5-lb. pkgs., 12 for $9.60; 25-lb. bag, $5.50; 50-lb. bag, $11.00.

TREE TANGLEFOOT. Ceiling Prices: 6-oz., case of 24 cans, $7.20; 1-lb. cans, per doz., $7.60; per case of 24, $14.40; 5-lb. can, $2.95; case of 6, $16.87; 10 lbs., $5.50 each; case of 4 cans, $21.00; 25 lbs., $12.00 each.

WETTABLE DUSTING SULPHUR. Put up in attractive 2-lb. cans, which retail at 35c each. Ceiling Price: Per doz., $2.50.

RABBIT REPELLENT. With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Ceiling price, per carton of 24 1-lb. pkgs., $7.20. Retails for 45c, 5 lb. bag retails for $1.75. Ceiling price per carton of 6, $7.00.

Hormones

ROOTONE
PATENTS PENDING

A Hormone powder easy to use; anyone can apply safely; no skill is needed to apply; Rootone—no measurements, no vials, no elaborate charts to follow—just dip and plant. Price, ¼-oz. pkt., 25c; doz., $2.00; 2-oz. jar, enough to treat 3,000 cuttings, $1.00; doz., $8.00; 1-lb. jar will treat up to 30,000 cuttings, $5.00. Write for leaflet, all postpaid.

Rootone No. 10. For slow to root evergreen cuttings. 2 oz., each, $2.00; 1 lb., each, $10.00.

Transplantone For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth. ½-oz pkt., each 25c; doz., $2.00; 3 oz., $1.00; doz., $8.00; 1 lb., $4.00.

Fruitone. The hormone spray for stopping preharvest drop of apples and other fruits. Also reduces droo of flowers and leaves. 2/5 oz. pkt. dozen, $2.00, retails at 25c per pkt.; 2 oz. (makes 25 gal. spray); $1.00; doz., $8.00; 12 oz., $5.00.
Write for price on larger quantities.

Mackwin Vitamin B1. The bottle has a dropper top 2-oz. bottle, each $1.00; display box of 12 bottles, $7.33.

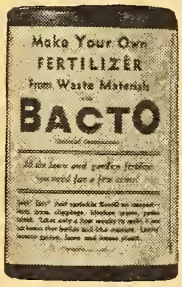
Mackwin Vitamin B1. A display card of 24—½ oz bottles of liquid vitamin B1. Price $5.30; retails at 35c each.

Zoom Vitamin B1. The bottle has a dropper top, 2-oz. bottle, each $1.00; display box of 12 bottles, $7.33.

Hormodin Powder Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., $6.00.
No. 1 Powder 1¾-oz. tin, each. 50c; 1lb., $3.00.
No. 2 Powder 1¾-oz. tin, each, 75c; 1lb., $4.50.
No. 3 Powder 1-oz. tin, each, $1.00; ½ lb., $4.50.

GRAINO

Hormone seed treatment and rooting stimulant. Just dust on flower or vegetable seed or dip cuttings in powder. Treating seed makes better rooted plants. Increases yield, hastens rooting. Lb., $2.97. 25c packets, 2 dozen in colorful display card, shipping weight 1 lb. 11 oz. Price $3.60 per display, 20-in-One size package retails at $1.00, 10 to carton, shipping weight 5 lbs. Price $6.00 per carton.



BACTO

Make your own fertilizer easy, quick— often as little as three weeks. Just sprinkle Bacto on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5 lb. bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets, reduces odors, makes easily-handled ash of waste. Price 4 oz. cartons, retail at 35c each, per carton of 10, $2.25; 5 lb. bags retail at $1.65 each, $1.15, 6 for $6.00; 25 lb. bags retail at $5.25, 3 for $10.50.

Dusts and Pump Guns

ACME TOMATO DUST-PUMP GUN. Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases which infest the tomato plant. Will not cause worm wilt. A full pound in a pump gun duster package ready to use. Retails 55c each. Ceiling price, per doz., $4.20; carton of 24 pkgs., $7.92.

ROTENONE GARDEN GUARD PUMP GUN. The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use. Retails 59c ea. Ceiling price, per doz., $4.50. Carton of 24 pkgs., $8.48.

KALITE ROTENONE BUG DUSTER. This practical, efficient duster bag contains a pound of impregnated Rothenone Dust. A practical package for dusting Victory Gardens. Price per carton of 24 1 lb. packages, $5.40; 4 lb. bags, 12 to a carton, $5.76 per carton; 25 lb. bags, $3.00 each.

Chemical Weed Killers

WEEDONE
TRADE MARK

It kills the plant under ground as well as above ground. Does not irritate skin and does not corrode metal or spray equipment. Will not leave residue on plants that is hazardous to livestock or pets. Does not sterlize the soil. Mix one part to sixty parts of water. Will kill Poison Ivy, Bindweed (Morning Glory), Ragweed, Burdock, Dandelion, Plantain, etc. Price, 6 oz., $1.00, doz., $8.00; per quart, $3.00, doz,, $24.00; gallon, $10.00, case of 4-1 gal., $26.67; 5 gals., $35.00; 54 gals., $324.00.

HERBICIDE
THE WEED EXTERMINATOR

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Livestock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., $1.50; 5 gals., $6.00; 10 gals., $10.00; 55 gals., $35.00.

A $6.00 deposit is required on drums. Drums returnable prepaid for credit in good condition within 30 days.

DUPONT AMMATE WEED KILLER

(Ammonium Sulfamate). A non-poisonous weed killer which can be applied by hand or power sprayer or can be applied dry. Will kill poison ivy, poison oak, poison sumac, dandelions and plantain. Use ¾ to 1 lb. to a gallon of water. Price, 2 lb. bottle, 75c; 10 lb. carton, $3.00.

GETZUM WEEDGUN

Kills dandelions and other weeds without injury to lawn. Does not sterlize the soil. Does not corrode or rust metals. Insures easy and economic application. No stooping or back breaking. Place cane on crown of dandelion or weed and press handle lightly. A small amount of chemical is released and does all the work. Price complete with liquid, each, $1.75; 12 for $14.00. Killer Kemical, pint, each, 30c; carton of 12, $2.40.

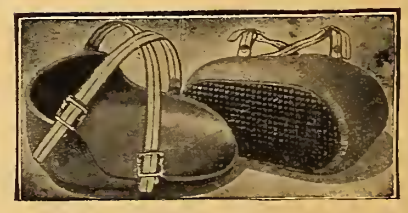
PLANT MAGIC VITAMIN B-1 TABLETS

Vitamin B-1 Tablets, the famous Plant Magic brand, containing extra growth-substances. The proved transplanting aid. Also for flower-plant feeding and for fortifying vitamin-deficient soils. Garden magazine articles report amazing results. Each tablet makes 2 to 7 gal. Packet Retails, 25c; doz. pkt., $1.80. 100 tablet bottle, 50c; doz. bottles, $3.60.

KAY-TITE. Masonry waterproof paint. Guaranteed permanently to water-proof cement cellars, cinder and concrete walls and floors, brick, tile, stucco and every type of masonry. Applied as easily as paint. Will water-proof from the inside, outside, below or above grade. Price per 10 lb. can $2.90.

KNEE PADS

All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down during walking. Price, $1.65; 3 for $4.50.



Repellents, Barrows and Insecticide Deal

DOG-CHECK. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying usually lasts from two to three weeks. Packaged in handsome glass containers. 3-oz. size, 50c; display carton of 12, $3.60; 3-oz. size, 60c; display carton of 12, $4.32; 8-oz. size, $1.00; display carton of 12, $7.20.

ANT-"X" JELLY BAIT. Tubes, garden size, 35c; display carton of 12 tubes, $2.52.

ANT-"X" TRAPS. Death box. 300 grain size for grease and sweet eating type ants, each, 25c; display carton of 12 traps, $1.80.

RAT-NOTS. The safe way to exterminate rats. Prepared bait containing squill can be used without fear of harming humans, dogs, livestock, etc. Trial size, 9 Nots, 25c; display carton of 12 pkgs., $1.80; estate size, 50 Nots, $1.00; display carton of 12 pkgs., $7.20.

MOUSE-NOTS. Impregnated seed bait kills mice. Fall is a good time to destroy mice in the house or orchard. Trial size, 9 Nots, 25c; display carton of 12 pkgs., $1.80; estate size, 50 Nots, $1.00; display carton of 12 pkgs., $7.20.

MOLE NOTS. Life saver for lawns and seed beds. Trial size 8 Nots, 35c; display carton of 12 pkgs., $2.52; estate size contents, 50 Nots, $1.00; doz., $7.80; jumbo size contents, 125 Nots, $2.00; doz., $14.40; gardener size contents, 400 Nots, $5.00; doz., $36.00.

5% discount on orders of six display cartons of the above.

See page 92 for Fertilizer Spreaders.

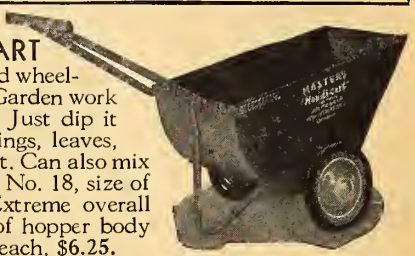
ACME No. 1015 INSECTICIDE AND FUNGICIDE ASSORTMENT COST $10.15

You can now buy a complete assortment of carefully selected, quick selling insecticide specialties of the various kinds you must carry—no shelf warmers. Attractive packages, displays and scientific literature will move the merchandise into the hands of the user. The advertising will be in an envelope right in the case with the goods.

Assortment Case Contains	Item		Unit Cost	Suggested Cons. Price
12	1 lb.	Acme Vegetable and Flower Garden Dust	$0.26	$0.40
6	1 lb.	Acme Tomato Dust	.21	.35
6	2 lb.	Acme Wettable Dusting Sulphur	.20	.35
6	1 lb.	Acme Arsenate of Lead	.22½	.35
4	1 lb.	Acme Bordeaux Mixture	.20½	.35
12	1 oz.	Rotenone Garden Spray (NNOR)	.22½	.35

Total Cost—$10.15. Total amount at resale—$16.40. 38% profit on selling price.

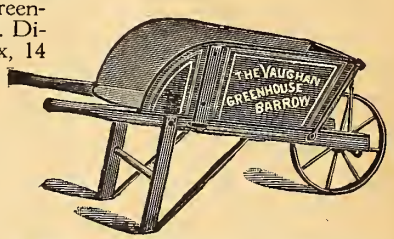
MASTERS HANDI-CART



Replaces the oldfashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 18, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size of hopper body 26½ x 16 x 12½ in. Price each, $6.25.

No. 2, size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body 27½ x 21 x 13½ in. Price each, $7.95.

VAUGHAN'S GREENHOUSE.



Made especially for use in greenhouses between the benches. Dimensions are as follows: Box, 14 in. wide at wheel end; 16 in. wide at handle end; 12 in. deep. The bottom of the box is matched and glued together, and there is no crack against which a shovel might run. The wheel is of steel, 17 inches high, with 2½-inch thread; the axle is 15 inches wide. Made of the best material. Legs reinforced, spread of handles at hand-hold 20 inches, which is extreme width of barrow. Price, each, $10.50.

PRUNING TOOLS

BUCKEYE PRUNERS. No. 5406, 20 inch handles, each, $1.60; 24 inch handles, each $1.95.

IMPROVED TELEPHONE PRUNER. A strong and rugged Pruner with many advantages, such as lighter weight, greater cutting power, strength and greatly improved spring action which eliminates spring breakage. No. 12 cuts 1½-inch branches, No. 11 cuts 1-inch branches. No. 11 Pruner Head only, $2.75. Price, complete with one head pole, 6 ft., and two 6-ft. extension poles, $11.50. No. 12 Pruner head only, $6.50. Price, complete with head pole and two 6-ft. extension poles, $18.00.

TREE PRUNERS. Waters' 6-ft., $2.25; 8-ft., $2.75; 10-ft., $3.00; 12-ft., $3.25. Extra blades, each, 30c.

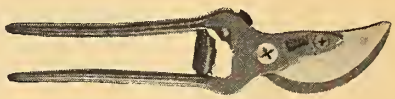
No. 4 Jointed Tree Pruner, 12 ft., in three 4-ft. sections. Each, $9.25.

SAWS (Atkins) Double-Edged Pruning.

18-in.. $1.65

TRIMMER, California Pole. Curved, draw-cut saw with crook for removing branches. Each, $2.50; 3 for $7.25.

Utility Speed Pruning Saw. Length 26 inches, curved blade. Each, $4.25.



PORTER TWINCUT PROFESSIONAL ONE HAND PRUNER. This pruner is drop forged from selected tool steel. The patented pivot bolt cannot tighten or loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inch full polish. Price, each, $3.50.

CLYDE DRAW CUT PRUNER. No. 5402 heavy duty pruner, 24 inch reinforced handles, each, $3.50.

Sprayers and Dusters

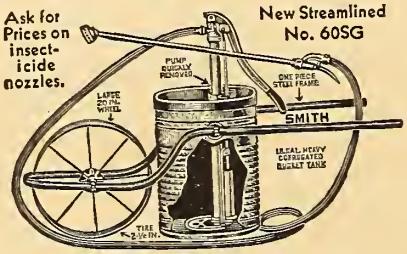
DOBBIN'S BIGHEAD SPRAYER

5⅛ diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

No. 44G Galvanized tank. Ea., $7.20.

SMITH'S SPECIAL No. 24 G. O. COMPRESSED AIR SPRAYER

A durable low priced sprayer, has a funnel top, made of heavy steel, tank as illustrated. 3½ gallon capacity. Price, Galvanized, $6.25.



WHEELBARROW SPRAYER

Goes anywhere like a wheelbarrow through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops from 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle fittings, steel extension, etc. Price, $25.50. Shipping weight, 65 lbs.

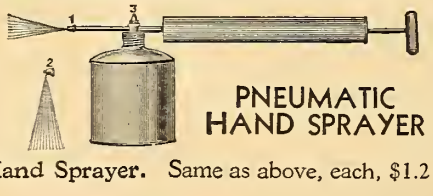
Same as above. With air pressure tank, tested under pressure of 275 lbs., fitted with pressure gauge reading to 200 lbs. Price, $39.50.

Greenhouse Wheelbarrow Sprayer. Similar to above, but with smaller pump. Width adapts it for greenhouse and nursery use. Handles all insecticides and fungicides. Price, complete, $16.00.

Paragon Wheelbarrow Sprayer. Greenhouse and Nurserymen Sprayer. 12-gal. capacity on one or two wheelbarrow type truck. Complete with hose, rod and nozzles. Price, $25.95.

HAYES JR. SPRAY GUN

All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, $5.95; six for $24.00.



Pneumatic Galvanized continuous one quart size with two nozzles for straight and underleaf spraying. Each, $1.50; dozen, $12.00.

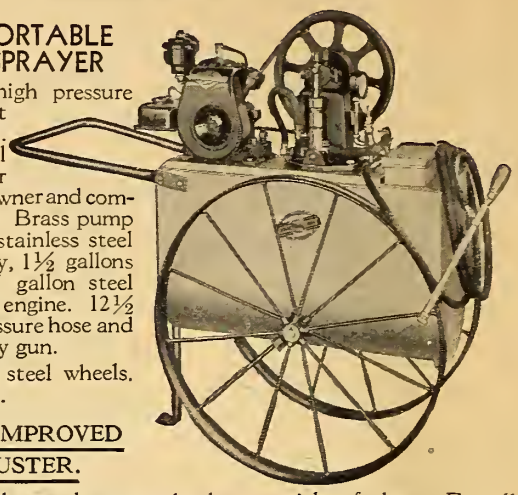
PNEUMATIC HAND SPRAYER

Pneumatic Tin Hand Sprayer. Same as above, each, $1.25; dozen, $10.00.

Tin Hand Sprayers. Full qt. size, retails at 60c; per doz., $4.80.

ARNOLD VICTORY SPRAYER, price, each, 85c; doz., $8.00. This sprayer will handle standard cartridges same as the Garden Hose Sprayer. Price of cartridges, 30c each; doz., $2.80.

UTILITY PORTABLE POWER SPRAYER



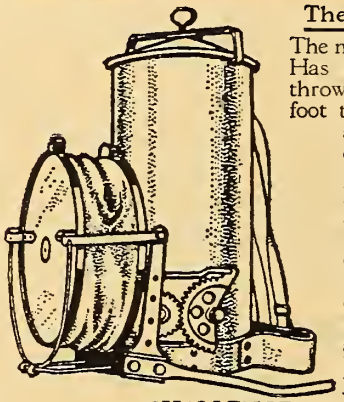
A portable high pressure light weight spray outfit. Handles all spray jobs for the individual owner and commercial grower. Brass pump with hardened stainless steel valve. Capacity, 1½ gallons per minute, 25 gallon steel tank, 1½ H. P. engine. 12½ feet of high pressure hose and adjustable spray gun.

No. 3240 with steel wheels. Each $127.50.

DOBBIN'S IMPROVED HAND DUSTER.

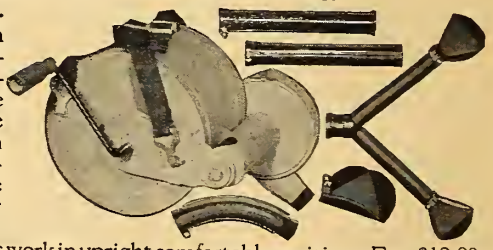
A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity, 1 lb., equipped with two-way dust cap. No. 132 Duster, Each, $1.35. 6 for $6.60.

The American Beauty Duster.



The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, $22.50. Write for leaflet on the American Beauty Dust Sprayer.

CHALLENGE DUST GUN No. C3.

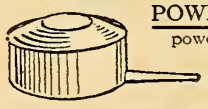


For Dusting Rotenone, Fyrethrum Dust, etc. Adjustable to all conditions. Made so the discharge nozzle may be swung from front to rear of operator and it can be raised or lowered for high or low plants. Operator can always work in upright comfortable position. Ea., $19.80.

FEENEY MODEL B DUSTER.

Each, 85c; six for $4.80.

CYCLONE



POWDER GUNS.

The best dry powder gun for blowing powder on plants and insects. Cyclone each, 25c; doz., $2.10; Jumbo, each, 50c; doz., $4.20.

JUMBO

New E-Z 5-Gal. Knapsack Sprayer.

Diaphragm type pump maintains high pressure until last drop of liquid is discharged. Very easy to operate. Tank holds 5 gallons. Equipped with 3 ft. hose, 2 ft. brass extension rod, automatic shut-off and adjustable nozzle. For all field crops, shrubs, etc. Galv. tank, $21.45.

BLIZZARD COPPER CONTINUOUS SPRAYER.

Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, $3.25; six for $13.60.

Write for leaflet and prices on Hardie Greenhouse Special Power Sprayer.

Vaughan's High Grade Fertilizers

Prices for Florists F.O.B. New York.

The Yield and Quality of Vegetation Depend Upon Continuous and Rapid Growth.

● The ceiling prices given below on this page are those in effect at the time this catalogue goes to press. Should increases in these ceiling prices be authorized by the Office of Price Administration, we reserve the right to increase our ceiling prices in accordance with such authorization. Should changes in formulas be ordered by the government authorities, then where necessary the formulas offered below will be changed in accordance with such regulations.

It has been demonstrated that crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Plant food of the right amount and kind controls the yield and quality of products more than any other condition, and it is neither wise nor economical to depend upon the natural condition of the soil or the application of stable manure only for profitable crops.

Adco. Artificial Stable Manure. Convert all non-woody vegetable refuse such as stalks, cuttings, weeds, withered leaves and flowers, vines, etc., into artificial manure. A 25-lb. bag is enough for 12 wheelbarrow loads of waste, making ½ ton of manure. **Ceiling prices, 7½-lb. bags, each, 85c; doz., $8.40; 25 lbs., $2.00; 150 lbs., $10.50.** Instructions with each bag.

Agrico. For Lawns, Trees, Shrubs and Flowers, **10-6-4. Ceiling prices,** 5 lbs., packed ten to a bale, each, **30c**; retails at **45c**; 10 lbs., packed six to a bale, each, **53c**; retails for **85c**; 25 lbs., packed four to a bale, each, **$1.00**; retails at **$1.50**; 50 lbs., two to a bale, each, **$1.70**; retails for **$2.50**; 100 lbs., **$2.75**; retails for **$4.00.**

Agrico For Commercial Growing. **4-12-4.** A well balanced fertilizer for the commercial grower, can be used on practically everything in greenhouse forcing or outside—neutral in its reactions. **Ceiling prices,** 100 lbs., $2.70. On all Agrico we will prepay delivery on 500 lbs. or more and will allow an additional 5% discount for ton lots.

Agricultural Salt. Commercial growers use this salt both as a top dress and to keep the asparagus patches weed-free. 25 lbs., **$1.00**; 50 lbs., **$1.25**; 100 lbs., **$2.75.**

Aluminum Sulphate. For creating acid condition in the soil. **Ceiling prices, 25 lbs., $1.25; 100 lbs., $3.50; 500 lbs., $16.00.**

Ammonium Sulphate. 20.6% nitrogen. 100 lbs., **$4.00.**

Bacto Bacterial Composition. Makes fertilizer out of garbage, sewage, leaves, garden rubbish, sawdust, etc. Cheaply and quickly deodorizes outdoor toilets. **Ceiling prices,** 5 lbs., **$1.45**; 20 pkgs. for **$19.80**; 25-lb. bag, **$4.25**; 4 bags for **$13.20**; trial size of 10 4-oz. pkgs., **$2.50.**

Bone and Blood. **Tankage,** Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. **Ceiling prices, 100 lbs., $3.25; 1000 lbs., $30.00; 2000 lbs., $58.00.**

Compo. After years of experimenting, the manufacturers of Compo, have developed this new decomposing material which should be used on all compost piles. This is a sure seller and money-making item and should be carried in all flower shops.
7½ lbs.—will make 375 lbs. of manure—10 to case—$10.00 per case less 33⅓%.
25 lbs.—will make 1250 lbs. of manure—$2.00 less 33⅓%.
100 lbs.—will make 2½ tons of manure—$7.50 less 33⅓%.

Dried Blood. 12%. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. **Ceiling price, 100 lbs., $7.50.**

Electra Fertilizer. **Ceiling prices, 25 lbs., $2.50; 50 lbs., $4.00; 100 lbs., $6.75. F. O. B. Massachusetts.**

Fairway Grass Food. Compounded for the feeding of turf grasses and for no other plant or purpose; recommended by leading turf specialists and agronomists; for use on lawns, golf courses and parkways. **Ceiling prices, 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00; per ton delivered, $65.00.** Write for quantity prices.

Crystal Urea. A highly concentrated inorganic fertilizer containing 46 percent available nitrogen; clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. **Ceiling prices, lb. can, 25c; 5 lbs., 90c; 10 lbs., $1.50; 25 lbs., $2.75; 100 lbs., $7.50.**

Hardwood Ashes. Canadian Imported. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. **Ceiling prices, 100 lbs., $2.75; 1000 lbs., $22.00; 2000 lbs., $42.00.**

Horn Shavings. Synthetic. Quick-acting and lasting. **Ceiling prices, 50 lbs., $3.50; 100 lbs., $6.50.**

Horn Dust. Has same effect as Horn Shavings except it is immediately available. **Ceiling prices, 100 lbs., $6.50; 500 lbs., $30.00.**

Hydrated Lime. For soil acidity, it improves the texture of the soil, lets in air and moisture, liberates nitrogen and other plant food, makes your soil sweet. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, a large handful to a square yard. **Ceiling prices, 50 lbs., $1.00; 1000 lbs., $8.50; 2000 lbs., $16.50.**

Hyponex. **Ceiling prices, 3-oz. size, packed 36 to carton, retails at 25c each. Per carton, $6.00**; 7 oz. retails $.50—24 to case—case $8.00. 1-lb. size, retails at $1.00, packed 12 to carton. **Price per carton, $8.00**; 10 lbs., $5.35; 25 lbs., $10.00. 50 lbs., $15.00; 100 lbs., $25.00.

Hy-Gro. The soluble plant food. **13-26-13.** The nearest fertilizer to Nitrophaska. Excellent for forcing. If given a little counter space will bring results. **Ceiling prices,** 3 ozs. retails **25c** each, packed 12 to a display carton. $1.80 per carton. 20-oz. retails for **$1.00**, packed 12 to a carton, $7.20 per carton. 10 lbs. retails for **$4.00**, packed single carton, each, **$2.40.**

We are not responsible for loss of weight due to evaporation of any fertilizers.

Vaughan's Special Rose Grower Bone Meal. "Rose Grower." This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3.70 percent; total phosphoric acid, 20 percent. 100 lbs., **$4.00**; ton, **$75.00.**
Quantity Required.—For permanent pasture and mowing lands, ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1000 to 1500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn as a base, 3 to 5 lbs. per 100 square feet.
REGULAR GRADE BONE MEAL. 2.40 nitrogen, 20% phosphoric acid. 100 lbs., **$3.50**; ton, **$65.00.**

Raw Bone. Coarse. This material appeals to every florist who has used it. 100 lbs., **$4.00.**

Humus. Recommended for top-dressing or use on heavy clay soils. **Ceiling prices, 100 lbs., $2.00; ton, $30.00.**

Kem TRADE MARK • PATENTS PENDING

*Kem has proven itself a complete balanced plant food. Growers report gratifying results with seedlings, cuttings and growing plants on benches and in fields. Damping off reduced 75% by starting seeds in sand; transplantings made in half the time. By promoting strong root growth, Kem causes grass to grow quicker and stronger. Dilutes up to 89 parts water to 1 part Kem. **Ceiling prices, 25c size, 24 to case, $4.00 per case; 50c size, 12 to case, $4.00 per case; $1.00 size, 4 to case, $3.00 per case; $4.25 size packed separately, $2.83 each; 50-gal. barrel, $11.25.**

Leaf Mold. **Ceiling prices, 100 lbs., $3.00; 1000 lbs., $27.50; ton, $50.00.**

Micagro. Micagro is a sterilized seed starting medium composed of particles of natural mica, exploded to form countless tiny cells that hold water like a sponge without caking or packing down. It has been sterilized at over two thousand degrees F. Since it is disease free, danger of damping off is eliminated from soil born causes. ½ peck—retails **$.50** each—24 to carton, **$8.00**; ½ bushel—retails **$1.95**—packed 12 to carton—**$14.00** per carton.

Muriate of Potash. 1000 lbs. **$35.00**

Peat Moss Granulated. A moisture-retaining humus, an important aid in saving soil fertility. Better than manure. **Ceiling prices, Bale, about 22 bushels, each, $4.00; 5 bale lots, $3.75 each; ½ bales, $2.25 each.**

Peat, Orchid. Fern roots; very useful for Orchids and Azaleas. **Ceiling price, $3.50 per sack of two bushels.**

***Plantabbs.** Fast selling, well advertised plant food tablet. Contains Vitamins B1. Ceiling prices, 10c size at 72c a doz.; 25c size at $2.00 a doz.; 50c size at $4.00 a doz.; $1.00 size at $8.00 doz.; $3.50 size at $2.35 each. LESS 5% discount on order of $6.00 up to $12.00. 10% discount on order of $12.00 and over.

"Poultek Fertilizer." **4-3-2.** At last a pure Poultry Manure without any litter or peat moss, dehydrated daily from caged poultry to conserve its full natural strength 100% pure. For potting plants use two pounds to one bushel of soil, for liquid manure, two pounds to twenty gallons of water. **Ceiling prices,** 25 lbs., **$1.00**, retails for **$1.50**; 50 lbs., **$1.75**, retails for **$2.50.**

Pulverized Limestone. **Ceiling prices, 100 lbs., $1.25; 500 lbs., $5.00; 1000 lbs., $9.00; ton, $16.00.**

Rose Food. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. 5 lb. bag retails for **$.65**, price, per carton of 12 packages, **$5.70**; 10 lb. bag retails for **$1.25**; price, per carton of six, **$5.40**; 25 lb. bag retails **$2.65**; each, **$1.75**; six, **$10.50**; 100 lb. **$6.25** each, five for **$30.00.**

Sheep Manure. Wizard Brand. This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. **100 lbs., $2.15; 1000 lbs., $21.00; 2000 lbs., $40.00.**

Shredded Cow Manure. Wizard Brand. An efficient, high-grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. **100 lbs., $3.00; 1000 lbs., $25.00; ton, $45.00.**

Sterilized Soil. Cultivated and prepared. The correct soil for all cacti plants and tulips, hyacinths, narcissus and all bulbous plants.
1 lb. retails $.10—50 to case—case, $3.00.
3 qts. retails $.30—16 to case—case, $2.88.
7½ qts. retails $.65—6 to case—case, $2.34.

Cultivated and Prepared Humus. This is a specially prepared humus for all leaf plants and plants that require a rich, moist soil. The life basis of plant growth. 1 lb. retails $.10—50 to case—case, $3.00. 3 qts. retails $.30—16 to case—case, $2.88; 7½ qts. retails $.65—6 to case—case, $2.34.

FERTILIZERS F. O. B. New York—Continued

Stimuplant. A very effective plant food and stimulant for all house plants. 10c size put up 10 packets to a display case. Ceiling prices, 60c; 25c size put up in counter display case, 10 to a case, $1.50; 75c retail size at 45c; $2.50 retail size at $1.50; $3.50 retail size at $2.10.

Driconure. Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, safe and easy to use. 50-lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Ceiling prices, 50-lb. bags, 1 to 10 bags, $1.90 each; 10 to 20 bags, $1.70 each; ton, $60.00.

Sulphate of Potash 48%. Ceiling prices, 100 lbs., $4.00; 500 lbs., $18.00; 1000 lbs., $35.00.

Super Phosphate. 20% available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Ceiling prices, 100 lbs., $2.00; 1000 lbs., $14.00; 2000 lbs., $26.00.

Vigoro. A specially prepared plant food. It contains all elements plants need for healthy growth. Because it is a complete plant diet, it is really more economical than incomplete waste or by-products materials. Good plant food for commercial growers. Ceiling prices, 5 lbs., 29c, retails for 45c; 10 lbs., 56c, retails for 85c; 25 lbs., $1.00, retails for $1.50; 50 lbs., $1.70, retails for $2.50; 100 lbs., $2.75, retails for $4.00. 500 lbs. delivered free to your railroad station within 500 miles of New York except New England States.

Vigoro Fertilizer Tablets. 24 tablets per box, 30 boxes in display case. Ceiling prices, case at $1.80, retails at 10c each.

Armours Special Ornamental Fertilizer. For flowers, lawns, tree, and shrubs, 6-12-4. Ceiling prices, 25 lbs., $1.00, retails at $1.50; 50 lbs., $1.70, retails at $2.50; 100 lbs., $2.75, retails at $4.00.

Cultivated Potting Soil. A perfect blend of top soil, humus and other ingredients for seed-flats, window boxes, flower beds, etc.
1 lb. retails $.10—50 to case—case, $3.00.
3 qts. retails $.30—16 to case—case, $2.88.
7½ qts. retails $.65—6 to case—case, $2.34.

IMPORTANT. The prices on this page are based on present prices of fertilizer and are subject to change as market fluctuates.

MASTERS PERFECT DISTRIBUTORS.

This is a sturdy and efficient machine which solves the problem of even distribution of fertilizers, grass seed and top dressing. It has a shut-off control and adjusting device right on the handle. Shuts off instantly. Every inch of ground is covered, but no surplus. Home Lawn distributor, each, $6.00; No. M180—18" sturdily built, each, $9.95; No. M240 24", each, $12.50; No. M361—36" with double disc wheels, each, $19.75.

Lawn and Garden Supplies

O. K. PORTABLE ELECTRIC GRASS TRIMMING, EDGING and HEDGE TRIMMING EQUIPMENT

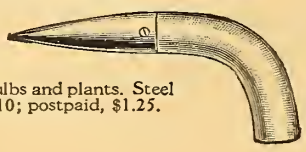
You can save . . . the entire cost of a complete outfit as shown above during **Ten or Less Days** of use . . . **Every Kind** of Grass trimming, cutting and edging can be done **anywhere,** as power plant is portable . . . **two men each using an O.K. Trimmer can do as much work as eight to ten men using sickles.**

DeLuxe Outfit.....$190.00
Includes power plant, trimmer and cord. Up to four trimmers can be run at one time.
Extra trimmers, heavy duty, long blade (8¾ in.) grass trim, price.....$28.00
Heavy duty short blade (6¼ in.) grass trim, price..... 25.00

O. K. POWER PLANT

O. K. Heavy duty Hedge Trimmer.....$18.00
O. K. Jr. Hedge Trimmer..... 11.50
You have unlimited use for O. K. Equipment. Why not write us for further particulars—it's standard equipment now in thousands of cemeteries.

DIBBER



For planting bulbs and plants. Steel point. Each, $1.10; postpaid, $1.25.

BONHAM GARDEN CULTIVATOR

Makes gardening a pleasure. Complete with cultivator teeth, plow and furrower. All metal parts are dipped in weather-proof and rust resistant paint. Price each, $6.75. F.O.B. New York, $7.00.

METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size 3¾x12 inches. Colors, green on white and black on white. Sign wordings—**Please-Seeded—Keep off Grass.** Signs with stakes, each, 35c; six for $1.50.

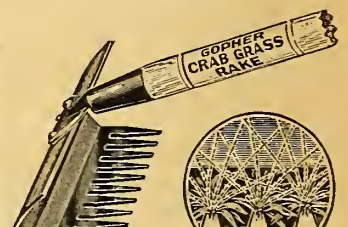
VITAMIST

Vitamize as you sprinkle. A small Vitamin cartridge does the trick. Simply remove the nozzle from your hose, drop a Vitamist cartridge into the hose, replace the nozzle and turn on the water. Adjust it to a fine spray and sprinkle the Vitamin over any part of your lawn and garden. One cartridge will vitamize about 1500 square feet, a space about 30x50 feet. It takes about six minutes to dissolve the entire cartridge. Package of 30 cartridges retails at $1.00; price per display carton of 13, $8.00.

PLANTING TOOLS HOLE-IN-ONE

The tapered cup removes the soil and makes perfect planting hole in one operation. A slight twist when pushing tool into the soil, also when removing it, will leave a clean flat bottomed hole. Each, 50c; three for $1.35; doz., $4.00.

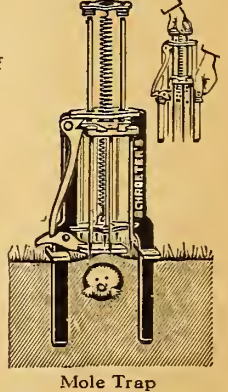
HANDY CRAB BRASS RAKE



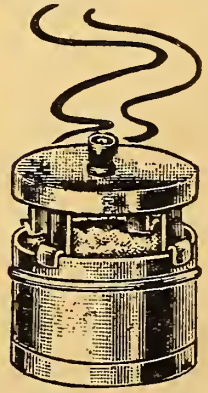
This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, $1.50; three for $4.00.

MOLE TRAP

Improved with patented setting attachment. One of the best mole and gopher traps. Each, $2.00.



Mole Trap



EVER READY SMUDGE STOVE

Will drive away mosquitoes, flies and other insects. Has a pleasant odor. Will last a long time and is inexpensive to burn. Is safe to use as there are no sparks to fly about. No danger of burning your lawn. Can be used on fishing trips, lawn parties, etc. Each, 35c; dozen, $2.80; 36 Smudge Stoves for $8.00.

Bird Houses and Feeders

AUTOMATIC BIRD FEEDERS
(Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around.

Birds enjoy swinging with the feeder. Each, $2.00; 3 for $5.75.

WREN HOUSE No. 16

This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, $1.10; 6 for $6.00; white and green, each, $1.35; 6 for $7.20.

Blue Bird House No. 5 similar to the above, stained brown, $1.00; 6 for $5.00.

MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, $11.00. Painted two coats in white and green, $13.00.

Twenty-eight compartment house, three stories high, unpainted, $13.00. Painted two coats white and green, $15.00. Crating charge $1.00 extra.

ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown — each $1.10; 6 for $6.00.

No. FS21 GARDEN CRAFT FEEDING STATION

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

Size 24x12x12. Shipping weight 16 lbs.

Price stained brown..... $4.20
Price stained with glass back..... 5.75
Erection Post bored for mounting rod..... 1.10

No. FS10 GARDEN CRAFT BIRD FEEDER

This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter, by their appreciation. Size 8x3x10 in. Shipping weight 3 lbs.

Price, $1.25; 6 for $7.00.

Erection pole with arm..... .90c

Write for prices on Lawn Mowers and Lawn Rollers.

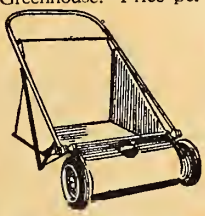
RODENT ROCKETS

...THE EASY WAY

Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un-treeing" holed-up woodchucks, raccoons, etc.

Packed two dozen to an attractive display carton, weight 2½ lbs. Invaluable in Nursery and Greenhouse. Price per carton of 24 rockets, $1.50; six cartons for $8.00.

Springfield Lawn Sweepers



28 inch with semi-pneumatic tires; each, $46.50.

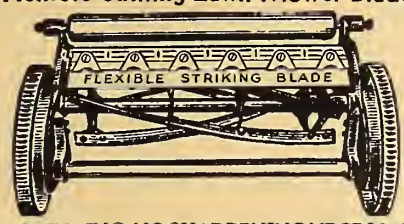
Zotox Crab Grass Killer

An amazing new chemical which kills both the seeds and plants of Crab Grass (Water Grass) in lawns. Prevents recurrence the following year. Not Toxic to soil. Must be applied in fall. 1 lb. treats 1000 to 2000 sq. ft. Price, 8 oz., each, $1.00; doz., $7.20; 16 oz., $1.50; doz., $10.80; 5 lbs., $4.50.

LAWN SINOX

A selective weed killer that kills weeds without permanent injury to grass. When used as suggested will kill dandelion, plantain, knotweed, chickweed, buckhorn, and many other weeds. Tried, proven effective, Lawn Sinox has been used by golf courses, parks and cemeteries for weed controling fine lawns. Caution — Lawn Sinox stains hands and woolen and silk clothing. A gallon will cover 8000 square feet, price, per qt., $2.00; $6.00 per gal.

Flexible Striking Lawn Mower Blade



NO GRINDING, NO SHARPENING NECESSARY

Flexible striking blade is made of the finest steel and heat treated for that purpose.

Being flexible it will always be in contact with the revolving blades of the "lawn-mower", thus, assuring cutting at all times, "when properly installed". Does a nice clean cutting job without any effort. Will cut wet grass just as nice as dry grass.

Promotes a more healthy growth of grass and makes lawn mowing a pleasure. Ea., $1.75; 6 for $9.00.

BERGMAN Lawn Mower SHARPENER

A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, $1.00; doz., $8.00.

KEMP IMPROVED POWER SOIL SHREDDER

Prepares any kind of soil, wet, dry, or stony — for any purpose. It reduces time and labor costs from 30% to 50% over old methods; makes manure and fertilizer go further. A Kemp Shredder usually pays for itself during the first year of use.

KEMP POWER SOIL SHREDDER No. 6

Shredding heavy, wet compost made from sod and manure. Designed especially for the small grower.

Low in price and economical to operate. Powered with a ¾ H.P. electric motor that can be plugged into any electric light socket.

For use also in potting shed for shredding soil for use in flats and pots. Also a handy machine for shredding and mixing soil and manure on benches.

SPECIFICATIONS

Length..... 38"
Width..... 22"
Height at discharge end..... 36"
Height at hopper..... 33"
Weight..... 200 lbs.
Power..... ¾ H.P.
Capacity—either one or two men loading hopper.

Parts having most wear, the hopper, top and deflector, made from steel.

Machine shipped complete with motor and cord, ready to plug into socket and run.

Price of No. 6, complete, ready to run..... $106.00

(F. O. B. Erie, Pa.)

Write for prices on other sizes.

KEMP SOIL SHREDDERS

No. 5 powered with ¾ H.P. Peerless electric motor with switch and 25 ft. of cord..... $200.00
No. 5 powered with 1 H. P. Briggs and Stratton gas engine..... 210.00
No. 5 less engine or motor..... 165.00
No. 1 powered with either 2 H.P. Cushman gas engine or 1½ H.P. Peerless electric motor with switch and 25 ft. of cord..... 275.00
No. 1 complete without motor or engine 205.00
No. 1 without motor or engine, belt or belt-shield, but with pulley for operating with tractor..... 195.00
No. 2 powered with either 4 H.P. Cushman gas engine or 3 H.P. Peerless electric motor with switch and 25 ft. of cord..... 405.00
No. 2 complete without motor or engine 300.00
No. 2 without motor or engine, belt or belt-shield, but with pulley for operating with tractor..... 290.00

Note: Prices for machines with electric motors are for one, two and three phase motors. For special currents, prices will be furnished on request. In ordering, be sure to state phase of current and voltage.

SOIL SHREDDERS not available for immediate shipment. Place orders now for delivery when available. Orders placed early will be shipped first. We cannot guarantee any delivery date.

SMITH'S FLAME SHOOTER GUN

4-gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, $18.95 (weight 17 lbs.).

This Vivid Window Streamer Printed in Five Colors Will Bring You Business—Furnished Free to All Dealers.

Larger Profits in Quality Seed

Bags Included on All Grass, Gross for Net

FANCY GRASSES

All grass seed prices subject to change without notice. Orders will be booked at the lowest price on day received. Order early and avoid transportation difficulties.

KENTUCKY BLUE GRASS. Our blue grass is all recleaned to fancy purities with low weed content and is of high germination.

Fancy. Purity 85%. Full bags (112 lbs.), $49.00 per 100 lbs.; less than 112 lbs., 50c per lb.; 10 to 25 lbs., 51c per lb.

Standard. Purity 80%. Full bags (112 lbs.), $47.50 per 100 lbs., less than 112 lbs. 48½c per lb.; 10 to 25 lbs., 49½c per lb.

Extra Fancy Seed. Purity about 90%. Full bags (112 lbs.), $54.00 per 100 lbs.; less than 112 lbs., 55c per lb.; 10 to 25 lbs., 56c per lb.

Refined Suncured Seed. Purity 97 to 98%. Full bags (112 lbs.), $61.00 per 100 lbs.; less than 112 lbs., 62c per lb.; 10 to 25 lbs., 63c per lb.

RED TOP, Refined. Extra Recleaned Purity 97 to 98%. Full bags (100 lbs.), $17.50 per 100 lbs.; broken bags, 18½c per lb.; 10 to 25 lbs., 19½c per lb.

Extra Fancy. Purity 95%. Full bags (100 lbs.), $16.75 per 100 lbs.; broken bags, 17¾c per lb.; 10 to 25 lbs., 18¾c per lb.

Fancy. Purity 92%. Full bags (100 lbs.), $16.00 per 100 lbs.; broken bags, 17c per lb.; 10 to 25 lbs., 18c per lb.

CLOVER, White Dutch.

Extra Fancy. $103.00 per 100 lbs.; less than 100 lbs., $1.05 per lb.; 10 to 25 lbs., $1.08 per lb.

Choice Grades. $100.00 per 100 lbs.; less than 100 lbs., $1.02 per lb.; 10 to 25 lbs., $1.04 per lb.

Prime. $97.00 per 100 lbs.; less than 100 lbs., 99c per lb.; 18 to 25 lbs., $1.01 per lb.

Put up in packages of 5 lbs. and less, write for prices.

PERENNIAL RYE GRASS. $21.00 per 100 lbs.; broken bags, 22c per lb.; 10 to 25 lbs., 23c per lb.

RYE GRASS Common, Native Grown. Full bags (100 lbs.), $11.50 per 100 lbs.; broken bags, 12½c per lb.; 10 to 25 lbs., 13½c per lb.

CHEWING'S FESCUE. Full bags (115 lbs.), $60.00 per 100 lbs.; broken bags, 62c per lb.; 10 to 25 lbs., 64c per lb.

CREEPING RED FESCUE. A variety of fescue seemingly superior to Chewings. 100 lbs., $65.00; less than 100 lbs., 67c per lb.; 10 to 25 lbs., 69c per lb.

ASTORIA BENT, Certified Blue Tag. Full bags, (100 lbs.), $95.00 per 100 lbs.; broken bags, 97c per lb.; 10 to 25 lbs., $1.00 per lb.

Red Tag. $92.00 per 100 lbs.; broken bags, 94c per lb.; 10 to 25 lbs., 97c per lb.

SEASIDE BENT, Certified Blue Tag. Full bags, $105.00 per 100 lbs.; broken bags, $1.08 per lb.; 10 to 25 lbs., $1.10 per lb.

Ask for quotations on grasses not listed.

LAWN MIXTURES

Vaughan's No. 25 Lawn Mixture. 100 lb. bags, $29.00; 1-lb. cartons (ea., 35c), $32.00 per 100 lbs.; 5-lb. bags (ea., $1.75), $31.00 per 100 lbs.; 10 to 25 lbs., 31½c per lb. Retails 50c per lb.

Vaughan's "Private Estate" Bent Formula

A very fancy mixture containing an important percentage of the Bent grasses. Makes a beautiful velvety lawn. More practical than pure bent lawns.

(Retails at 85c per lb.) Price, $55.00 per 100 lbs.; 5-lb. bags (ea., $2.95), per 100 lbs., $57.00; 1-lb. cartons (ea., 62c), per 100 lbs., $58.00. Orders for 10 to 25 lbs., 57½c per lb.

SPECIAL MIXTURES

If interested in cheaper mixtures or formulas other than we list let us know and we will be glad to quote.

Vaughan's Chicago Parks

The stand-by for fine serviceable lawns for two generations, this splendid formula remains the universal favorite. The basis of this mixture is a large amount of fancy Kentucky blue grass, which is combined with other suitable grasses in the proper proportion to produce a fine permanent turf.

Prices for Chicago Parks Formula

	Per 100 lbs.
½-lb. carton, each, 30c (Retails for 45c) / 1-lb. carton, each, 50c (Retails for 75c)	$48.00
2 and 3-lb. cartons	47.50
5-lb. cartons or bags (each, $2.45)	47.00
10 and 15-lb. bags	46.50
50 and 25-lb. bags	46.00
100 lb. lots	45.00
300 lb. lots	44.50
500 lb. lots	44.00
1000 lb. lots	43.00

Lots of 10 to 25 lbs., 47½c lb. On Larger Lots Ask For Prices.

We offer this same mixture, without White Clover, under the name Vaughan's "Fairway" Mixture, at prices the same as "Chicago Parks."

Vaughan's Columbian (Shady Place Formula)

	Per 100 lbs.
½-lb. carton, each, 35c (Retails for 50c) / 1-lb. carton, each, 60c (Retails for 80c)	$55.00
2 and 3-lb. cartons	54.50
5-lb. cartons or bags (each, $2.80)	54.00
10 and 15-lb. bags	53.50
50 and 25-lb. bags	53.00
100 lb. lots	52.00
300 lb. lots	51.50
500 lb. lots	51.00

Lots of 10 to 25 lbs., 54½c lb. On Larger Lots Ask For Prices.

Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. Is also satisfactory in moderate shade. This is an exceptionally fine shade mixture and now includes the splendid new creeping red fescue. Grass grown in the shade requires extra care. Ask for Lawn Grass pamphlet for directions.

(Retails at 90c per lb.) Price, $57.00 per 100 lbs.; 5-lb. cartons (ea., $3.10), per 100 lbs., $59.00; 1-lb. cartons (each 64c), per 100 lbs., $60.00. Orders for 10 to 25 lbs., 59½c per lb.

All grass seed net cash, F. O. B. Chicago and New York and subject to price change without notice.

Freshly Packed and Tested Lawn Seed in 1947 for Your Unsold 1946 Stock

Federal Seed Law Requires Dated Germination Tests

NEW CARTON OF MODERN DESIGN SUPPLIED IN ALL SIZES UP TO 5 LBS.

OUR dealers can purchase cartons and 5-lb. bags of our branded seed with no fear of carrying over outdated seed into the following year. We will allow unsold packages to be returned to us and replace them with freshly packed and tested seed the following spring.

Dealers who have tried this plan report that it enables them to keep up stocks and get maximum sales throughout the season with no fear of inventory losses.

This offer is NOT in any way to be considered on a consignment basis but is solely for the protection of our dealers against having to carry into the following year unsalable, outdated and soiled cartons.

The terms of payment are absolutely the same as heretofore.

This offer does not apply in any way whatsoever to bulk seed or non-branded seed and this is in no way to be considered a guarantee sale. All seed to be exchanged must positively be returned to us prepaid by December 1, 1946, and replacement will be made by March 1, 1947.

NOTE—We cannot accept broken cartons and wet or otherwise damaged seed for exchange.

For Your Protection

All our grass seeds are carefully analyzed in our own fully equipped laboratory and tagged or labelled to conform to the complicated requirements of the state laws. Errors in labelling might be costly and troublesome. Play safe.

"Your Lawn"

This booklet gives the latest scientific advice on all phases of lawn making. One copy is enclosed in each carton and bag of the lawn seed mixtures.

With each of the deals below we furnish the vividly colored window streamer illustrated on the opposite page.

Vaughan's Chicago Parks

Contains NO TIMOTHY

Recommend this mixture for beauty and durability. It produces a fine turf that will endure. The splendid reputation of this mixture for over half a century makes it an easy seller and keeps satisfied customers. For seeding and care of lawn, call customer's attention to lawn booklet enclosed in every carton and bag of Vaughan's lawn seed.

Chicago Parks
Deal No. 1

$25
Net Cash
F. O. B. Chicago

Retails for $40.05

Cartons	Ret. Price
5 1-lb.	$0.75
5 2-lb.	1.50
8 5-lb.	3.60

Vaughan's No. 25 Lawn Mixture

An Economy Mixture Containing NO TIMOTHY

This blend fills the demand for a mixture which is both inexpensive and at the same time free of objectionable timothy so widely used as a lawn seed adulterant. Our No. 25 has, as its chief ingredient, the grass which is used for winter putting greens on southern golf courses. It comes up as quickly as timothy, will last longer and makes a fine appearance if kept cut.

No. 25. Deal No. 2

Retails for $32.85

Cartons		Ret. Price
15	1-lb.	$0.50
Bags		
10	5-lb.	2.35

$20
Net Cash
F. O. B. Chicago

J. C. VAUGHAN, PRES.

CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

Vaughan's Seed Store

CARL CROPP, V. PRES.

NEW YORK 7,
47-49 BARCLAY ST.

NURSERIES,
WESTERN SPRINGS, ILL.

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.

CHICAGO LOOP STORE
10-12 W. RANDOLPH ST.

All telegrams should be addressed to Vaughan's Seed Store WUX Chicago, or WUX New York to speed handling. This insures prompt delivery to us by teletype.

PRICES IN THIS CATALOGUE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Please give us your Post Office delivery zone if you are in a large city.

TERMS OF PAYMENT. To customers of approved credit, 60 days, except on goods always sold for cash, see other pages. **Special 2 percent** discount for cash in ten days from date of invoice (from these list prices only, not from "Special" mail quotations and excepting **net cash** items and flower seeds).

FIRST ORDERS from all firms not having an account with us should come with cash remittance to cover, from which deduct 2 percent (except on net cash items). If cash is not sent, supply bank and trade references.

POSTAGE for parcel post shipment. The prices in this catalogue except on Flower Seeds are not prepaid. Include sufficient to cover postage with cash orders. Postage will be billed on charge orders.

C. O. D. We prefer not to send goods C.O.D., but when wanted in that manner 25 percent of amount of order must accompany it.

PERISHABLE STOCK, Plants, Bulbs, etc., are POSITIVELY not sent C. O. D.

WHERE SOLD. Our stocks are sold F.O.B. Chicago, New York or Western Springs (unless otherwise stated) and we do not accept transportation risks after delivery in good order to express companies, railroads or steamship lines.

ROUTING. On each Order please give **name of railroad** you wish shipped by; there is no other sure way of correct routing. State distinctly: if by **Mail, Express, Truck** or **Freight.** If no routing is given, we will use our judgement but cannot be responsible for any delay or over charges.

BOOK ACCOUNTS. Customers who wish to open accounts will please supply usual bank and trade reference. If the business is a partnership or a corporation, be sure to give the names of partners or officers and signatures of those authorized to sign orders. Some **individual name** should be signed to all orders. A typewritten or rubber stamp signature is insufficient. We do not open new accounts for **cash goods.**

ORDERS FOR BULBS, ONION SETS and like perishable stock which we book in advance of shipping date are accepted by us only subject to loss by fire, rot or other accident beyond our control; we do not guarantee to supply if so lost.

INSURANCE. We insure all orders for seeds for $2.00 and over at buyer's expense, unless instructed not to do so.

Discounts on Standard Retail Packets for Resale

In no case will a discount be allowed where the retail value of the order sent in at one time is less than $1.00.

For orders for packet seeds to be placed in your stock and resold, discounts on prices in our SPRING RETAIL CATALOGUE will be given as follows:

25% on orders amounting to $1.00 or more (for packets only) when less than 5 of a kind are ordered at one time.
30% on orders (for packets) from $1.00 to $5.00, when at least 5 of a kind are ordered.
40% on orders (for packets) for $5.00 and over, when at least 5 of a kind are ordered.

} **None of these seeds are returnable. They are sold outright.**

10% on special offers and cut-rate collections, none on bulb collections.

Cash Discounts on Flower Seeds. On all orders for flower seeds, except Cyclamen seed, which is net, totaling less than $25.00, 5%, and over $25.00, 8%, may be deducted if cash is enclosed.

IMPOSSIBLE TO GUARANTEE CROPS.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of seller by statues. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

ADVANCE ORDERS for roses, bulbs or seeds not yet grown or harvested are subject to prorata delivery in case of short crop.

STATE QUARANTINES. Plant regulations which may delay or damage plants are at customer's risk only. If your state imposes serious restrictions on plants shipped in, tell us.

TABLE OF CONTENTS

Explanation of table below: Numbers prefixed with B represent Bulbs; P, Plants; S, Seeds.

	Page
Achillea	P.S.38, 55
Ageratum	P.S.7, 57
Almond	P.63
Aloe	S.7
Althaea—See Hibiscus	
Alyssum	S.7, 38
Amaryllis	B.52
Ampelopsis	P.S.38, 64
Anchusa	S.38
Anemone	S.38
Antirrhinum	S.8-10
Apios Tuberosa	B.52
Aprons, Rubber	81
Aquilegia	P.S.38-39, 54, 55
Arabis	S.39
Asparagus	P.S.12, 57
Asters	P.S.10-11, 40, 54
Aubrietia	S.40
Azaleas	P.57
Bacto	88, 91
Balsam	S.13
Bands, Plant	80
Bedding Plants	57
Begonias	P.B.S.12, 52, 57
Bellis	S.40
Berberis	P.63
Biennials and Perennials	S.38, 51
Bignonia	P.64
Bird Houses	93
Books	35
Bouquet Material	77
Boxes, Cut Flower	75
Brachycome	S.13
Browallia	S.13
Buddleia	P.63
Bulb Box Offer	Inside Back Cover
Bulbs	52-53
Buyers' Guide	S.2-3
Cactus Seed	S.13
Caladiums	P.B.52, 57
Calceolaria	P.S.13, 57
Calendula	S.13
Calliopsis	S.14
Campanula	S.40-41
Candytuft	S.14
Canna	P.57
Canterbury Bells	S.14
Cardinal Climber	S.15
Cards	75
Carts	89
Carnation Rooted Cuttings	58
Carnations	P.S.4, 14, 41, 57
Celosia	S.5, 15
Celastrus	P.64
Centaurea	S.15, 41
Cheiranthus	S.41
Chrysanthemums	S.4, 16, 41, 55-56
Chrysanthemum Cuttings	59-62
Cineraria	P.S.16, 58
Cinnamon Vine	B.52
Clarkia	S.16
Clematis	P.64
Cleome	S.17
Cobaea	S.17
Coix	S.17
Cold Frame	79
Coleus	S.17
Consignment Seed	1
Convolvulus	S.17
Coreopsis	S.41
Corn, Decorative	S.4, 17
Cornus	P.63, 65
Cosmos	S.17
Cotton, Ornamental	S.5, 17
Crab, Flowering	P.65
Cuphea	S.17
Cyclamen	P.S.18, 58
Cynoglossum	S.17
Cyperus	S.17
Dahlias	P.S.5, 18, 62
Daisy	S.41
Dandy Kill	84
D.D.T.	85
Delphinium	P.S.5, 42, 54
Deutzia	63
Dianthus	S.4, 5, 19, 42-43
Dicentra	S.43
Didiscus	S.18
Digitalis	P.S.44, 54
Dimorphotheca	S.19
Dirt Bands	80
Draceana	S.19
Dusters	90
Easels, Wood	81
Echinops	S.44
Echium	S.19
Edelweiss	S.44
Elm	65
Erosionet	82
Escholtzia	S.19
Euonymus	P.63
Euphorbia	P.S.19, 44, 54
Evergreens	66-67
Ferns	P.S.19, 58
Fertilizer Spreader	92
Fertilizers	91-92
Feverfew—See Martricaria	
Flame Gun	93
Floralife	82
Flower Boxes	75
Flower Pots	80
Flower Seed Novelties	4-6
Flower Seeds	4-51
Forget-Me-Not	S.44
Forsythia	P.63
Four O' Clock	S.24
Freesia	S.5, 19
Fungicides	86
Funkia	P.56
Gaillardia	P.S.6, 20, 44, 54
Geranium	P.58
Gerbera	S.44
Geum	S.44
Gilia	S.20
Gladiolus	B.53
Glass Wool	83
Glazing Material	83
Glazing Tools	83
Gloxinia	B.S.20, 52
Godetia	S.21
Gomphrena—Globe Amaranth	S.20
Gourds	S.20
Grafting Wax	78
Grasses, Lawn	94-95
Greenhouse Plants	57-58
Gypsophila	P.S.20, 44, 45, 54
Helenium	S.45
Helianthus	P.S.21, 54
Helichrysum	S.21
Heliotrope	S.21
Hemerocallis	P.S.45, 56
Heuchera	P.S.45, 56
Hibiscus	P.S.45, 63
Hollyhock	P.S.45-46, 56
Honesty—See Lunaria	
Honeysuckle, See Lonicera	
Hormones	85, 88
Hose Supplies	82
Hotbed Supplies	83
Hunnemannia	S.21
HyacinthusCandicans	B.S.46, 52
Hydrangea	P.58, 63
Impatiens	S.21
Insect Destroyers	84-87
Ipomoea	S.21
Iris	P.S.46, 67
Ismene	B.52
Ivy	P.64
Jacaranda	S.21
Jardiers	81
Kalanchoe	S.21
Kenilworth Ivy	S.46
Knee Pads	88
Knives	77
Kochia	S.21
Kolkwitzia	P.63
Labels	79
Lantana	S.21
Larkspur	S.22
Lathyrus	S.21, 46
Lavatera	S.21
Lavendula	P.S.46, 56
Lawn Seed	94-95
Lawn Supplies	92-93
Leaves, Prepared	77
Lemon Verbena	S.21
Leptosyne	S.21
Letters	76
Leucocoryne	S.23
Liatrus	P.S.46, 56
Ligustrum	P.63
Lilac—See Syringa	
Lilies	S.46
Linaria	S.23, 46
Linum	P.S.46-47, 56
Lobelia	P.S.22, 47, 56
Lonicera	P.64
Lunaria	S.47
Lupinus	S.22, 47
Lychnis	S.47
Lythrum	S.6, 47
Magnolia	P.65
Malus	P.65
Marigold	S.6, 23-24
Marvel of Peru	S.24
Matricaria	S.47
Mats	83
Mesembryanthemum	S.24
Microsperma	S.24
Mignonette	S.24
Mimulus	S.24
Monarda	P.54, 56
Montbretias	B.52
Moss, Sheet	78
Moss, Sphagnum	78
Mushroom, Spawn	73
Myosotis	S.44
Nasturtium	S.24
Nemesia	S.25
Nicotiana	S.25
Nierembergia	S.25, 48
Nigella	S.25
Nolana	S.25
Novelties and Specialties	4-6
Oenothera	S.48
Orchid Peat	91
Oxalis	B.52
Paint	83
Pansy	S.25
Papaver—See Poppy	
Paper	75
Pearl Chips	78
Peat Moss	91
Pelargoniums	P.58
Peonies	67
Pentstemon	P.S.25, 48, 54
Perennial	P.S.38-51, 54-56
Petunia	P.S.4, 6, 26-28, 58
Philadelphus	P.64
Phlox	S.25
Phlox—Hardy	P.56
Physostegia	P.S.49, 56
Picks	75-76
Plant Bands	80
Plant Stakes	78
Platycodon	S.49
Poinsettias	P.58
Poppy	S.6, 25, 48-49
Portulaca	S.28
Pots, Paper	80
Pots, Clover Set	80
Primula	S.29, 49-50
Protexall	84
Pruning Tools	89
Prunus	P.64, 65
Pump Sprays	90
Pyrethrum	S.50
Raffia	78
Rakes	92
Repellents	87, 89
Ribbons	76
Ricinus	S.30
Rootone	88
Rosa Rugosa	P.64
Rudbeckia	S.30, 50
Saintpaulia	P.57
Salpiglossis	S.30
Salvia	S.30, 50
Saponaria	S.30, 50
Saws	89
Scabiosa	S.31, 50
Schizanthus	S.31
Seed Flats	80
Seeder	81
Shasta Daisy	S.41
Shrubs	63-64
Sieve	79
Soil Soaker	82
Soil Shredder	93
Soil Test Kit	79
Solanum	S.31
Spiraea	P.64
Sprayers	90
Stakes, Plant	78-79
Statice	P.S.33, 50, 56
Stocks	S.34
Stokesia	P.S.50, 56
Strawberry	S.33
Sunflower	21
Sweet Peas	S.32-33
Sweet William	S.5
Syringa	P.64
Tahoka Daisy	S.33
Taxus	67
Thalictrum	S.50
Thermometers	81
Thread	75
Thunbergia	S.33
Tigridia	B.52
Tithonia	S.35
Torenia	S.35
Tree Pruners	89
Tree Wrap	83
Trees, Shade	65
Tritoma	S.50
Trollius	S.50
Twine	75
Valeriana	S.50
Vases	80-81
Vases	80-81
Vegetable Seed	68-74
Venidium	S.35
Verbena	S.36, 51
Veronica	P.S.51, 56
Viburnum	P. 64
Vinca	P.S.35, 58
Vines	64
Viola	S.51
Violet	P.54, 56
Viscaria	S.35
Vitapane	83
Wallflower	S.51
Weed Killers	88
Weedone	88
Weigelia	P.64
Wheelbarrows	89
Wire	76
Wisteria	P.64
Wreath and Bouquet Material	77
Wreaths and Designs	77
Xanthisma	S.35
Xeranthemum	S.35
Yucca	S.51
Zea	S.35
Zephyranthus	B.52
Zinnia	S.36-37
Zotox	93

SS 46

VAUGHAN'S SEED STORE

47-49 Barclay Street, NEW YORK 601 West Jackson Blvd., CHICAGO

NAME ---------- Date ---------- 19____
Write very plainly

Post Office ---------- State ----------

Street, P. O. Box
or Rural Delivery ----------

Express or
Freight Office {If different from P. O.} ---------- Forward Goods by ----------
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

Money Order $----------
Draft or Check $----------
Postage Stamps$----------
Cash - - - $----------

Table of PARCEL POST RATES to different zones, on other side.

Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

QUANTITY Do not Abbreviate	NAME OF ARTICLE	SIZE	PRICE Dols.	 Cts.
	CASH DISCOUNTS ON ORDERS FROM THIS CATALOGUE Special Cash Discount is allowed on FLOWER SEEDS as follows: On all orders for flower seeds totaling less than $25.00, 5%, and over $25.00, 8%. On all other items a cash discount of 2% is allowed, except on net cash supplies. Discounts as herein specified may be deducted from remittance if cash is enclosed with order.			
	☞ In making your order, please give the sizes and prices to avoid delay and errors.			
	Carried Forward,	lbs.	$	

(OVER)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE Dols.	PRICE Cts.
	Brought Forward			

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1. 1932.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	8c.	1c. (2 lbs)
First and Second Zone within 150 miles of either	9c.	1.1c.
Third Zone within 150 to 300 miles	10c.	2c.
Fourth Zone within 300 to 600 miles	11c.	3.5c.
Fifth Zone within 600 to 1000 miles	12c.	5.3c.
Sixth Zone within 1000 to 1400 miles	13c.	7c.
Seventh Zone within 1400 to 1800 miles	15c.	9c.
Eighth Zone all over 1800 miles	16c.	11c.

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.

Total Weight,		
Amount for Postage		
Grand Total,	$	

Filled by________ Checked by________ Packed by________

Shipped by________ Style of Package________

Date________ Book________ Weight________

500 1st Size Glads, 10 Named Varieties, and Display Box

Gladiolus Display Box Holding 500 1st Size Bulbs, 50 each of 10 Named Varieties

$22.50

Retails for $45.00

F. O. B. Chicago or New York

VAUGHAN'S GLADIOLI are famous. For years they have been nationally advertised. You have only to put this box on your counter to sell out quickly.

We use **FIRST SIZE BULBS,** the size which sells best over the counter. The 10 named varieties (50 each) of good named varieties. The price to you is $22.50 for the box and 500 bulbs of 10 named varieties. You retail them for $1.10 a dozen, or more, because the selection is worth more, doubling your money. Each variety is packed 50 in a bag labeled with its name. You empty one bag into a compartment, and refill in the same manner when it is empty. This prevents mixtures and loss of bulbs. After the display box and first collection have been bought, refill orders will be accepted for $22.00 for 500 bulbs, 50 each of 10 varieties, in bags of 50; or $43.00 for 1,000 bulbs, 100 each of ten varieties. Colored pictures are provided to paste on the compartments. This box keeps the bulbs in the open air, thus preventing bacterial rot which comes when they are sealed in cartons. The named varieties are kept apart without mixing, which adds greatly to their value. **Varieties Subject to Change Without Notice.**

Sell Vaughan's Famous Rainbow Garden of Gladioli (50 No. 3 bulbs)

Each: $1.50; 10 for $14.00; 20 for $27.00; Prepaid 600 Miles.

Retailing at $2.00, this is an unexcelled leader. It includes 50 bulbs, 10 each of the following varieties, each separately bagged and labeled: **Dr. Bennett,** scarlet with faint white markings; **Maid of Orleans,** white; **Beacon,** salmon scarlet; **Picardy,** pink; **Minuet,** lavender.

Three Outstanding Cannas

For years we have tried out all canna introductions, and on the basis of these tests we recommend the following varieties as the best now available in all respects, including size, color, vigor and disease resistance. Cannas are indispensable for parks, cemeteries, golf grounds or any place where a large mass of flowers and foliage is needed.

	Per 100	Per 1000
COPPER GIANT. 3½ ft. Much admired in our Western Springs planting. Large attractive blooms of a coppery madder red in big clusters on stout stems; green foliage. Exceptionally free-flowering and stocky growth. If you do not know this variety, give it a trial	$9.00	$80.00
DOROTHY S. 4 feet. A fine salmon red. Sport of President. Produces large flowers. Is very vigorous and drought resistant..	8.00	70.00
THE PRESIDENT. 4 ft. In color a rich glowing scarlet with immense rounded flowers seven inches across when fully open, produced on strong, erect stems well above the large green foliage. Free-bloomer and strong grower. Dormant roots.....	6.50	60.00

For full canna list, see Index.

CANNA The President

PANSIES. VAUGHAN'S SUPER SWISS GIANTS MIXED.

PANSIES

VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size, 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 75c; ⅛ oz., $1.30; ¼ oz., $2.25; oz., $8.00; 4 oz., $30.00.

VAUGHAN'S SUPER SWISS GIANT MIXTURE

One of our leaders and represents the choicest strain of this popular and profitable flower. Combining the finest selections of several Pansy specialists, the perfect blending is further insured by the addition of separate colors that do not generally appear in the average mixture. Trade pkt., 75c; ⅛ oz., $1.50; ¼ oz., $2.75; oz., $10.00; ¼ lb., $32.00.

VAUGHAN'S DWARF SUPER SWISS MIXED

Special selection of Geneva Giants of dwarf habit. This type, being shorter and more compact, is more suitable to plant sales. The color range is as good as that of the Improved Swiss. Trade pkt., 60c; ⅛ oz., $1.40; ¼ oz., $2.25; oz., $8.00.

VAUGHAN'S LONG STEMMED WINTER-FLOWERING MIXED RESELECTED

It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Mid-winter blooming and give support early. ½ trade pkt., 60c; trade pkt., $1.00; ⅛ oz., $2.50; ¼ oz., $4.80.

VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 60c; ⅛ oz., $1.60; ¼ oz., $2.75; oz., $9.00.

VAUGHAN'S SUPER MAPLE LEAF MIXTURE "CANADIAN GIANTS"

This strain is even finer than the preceding, with flowers of unbelievable size and texture, larger than in any other strain, the plants are also of compact growth and the extra large foliage is a rich, dark green. Trade pkt., 90c; ⅛ oz., $1.75; ¼ oz., $3.00; oz., $10.00.

VAUGHAN'S GIANT MIXTURE

Large flowers of good substance in a complete color range in light and dark shades. Probably the best general complete high grade mixture obtainable. Trade pkt., 50c; ¼ oz., $2.50; oz., $8.00; ¼ lb., $30.00.

GIANT SWISS SEPARATE SORTS

Swiss Alpenglow. Rich wine-red shades.

Swiss Berna. Dark violet-blue.

Swiss Blue (Ullswater. Thuner Sea). The most distinct rich deep ultramarine blue with darker blotches.

Swiss Coronation Gold. Flowers golden-yellow. Perfectly round flowers, slightly ruffled edges. This is the best pure yellow pansy.

Swiss Fire Beacon. Brick red.

Swiss Luna. Soft sulphur yellow, self without blotches, round substantial flower with frilled edge. A delicate and lovely color.

Swiss Pure White. The best pure white pansy.

Swiss Rhinegold. Canary-yellow with dark blotches.

Each of the above: Trade pkt., 75c; ⅛ oz., $1.80; ¼ oz., $3.00; oz., $10.00.

Delft Blue. Porcelain-blue. Trade pkt., 75c; ⅛ oz., $1.80; ¼ oz., $3.00; oz., $10.00.

Geneva Giant Mixed. Grown from Originator's Stock Seed. A very fine strain. Trade pkt., 75c; ⅛ oz., $1.50; ¼ oz., $2.75; oz., $10.00; ¼ lb., $32.00.

America, Ideal Bedding or Basket Pansy. Good substance with wide color range. Free-flowering. Trade pkt., 60c; ⅛ oz., $1.40; ¼ oz., $2.40; oz., $9.00.

Engelmann's Giant Mixture. Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 75c; ⅛ oz., $1.80; ¼ oz., $3.00; oz., $10.00.

Jumbo Mixed. Extra large and early; long stemmed flowers. Trade pkt., 75c; 1/16 oz., $1.40; ⅛ oz., $2.25; ¼ oz., $4.00; oz., $14.00.

Masterpiece—Giant Curled. The colors are superb, mostly red and brown shades. Trade pkt., 50c; ¼ oz., $1.80; oz., $6.00.

Oregon Giants (Originator's Stock). A fine strain of giant ruffled pansies. The large flowers of heavy texture have a delicate fragrance and come in all shades and coloring. Long stems and luxuriant foliage. Pkt. 200 seeds, 50c; pkt. 500 seeds, $1.00; 3 $1.00 packets for $2.00; ½ oz., $6.00; oz., $12.00.